

APPLICATION FOR STATION LICENSE

FCC FORM 302-FM

KLOA-FM, FACILITY ID 458

CH285B1, RIDGECREST, CA

ADELMAN BROADCASTING, INC.

MARCH 2008

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

ENGINEERING STATEMENT OF JOEL T. SAXBERG

There was one Special Operating Conditions or Restrictions issued in the KLOA-FM Construction Permit. That was the condition that the licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines. This licensee agrees to cooperation with other site users to protect tower personnel from RF electromagnetic fields in excess of FCC guidelines.

Since, construction simultaneously took place between three stations, KRAJ, KLOA-FM and KFRJ, this statement also addresses the Special Operating Conditions or Restrictions associated with the construction permit issued to KRAJ, also an Adelman Broadcasting facility. Construction Permit No. BPH-20070502AAC was assigned to Adelman Broadcasting, Inc. for FM Broadcast Station KRAJ, CH265B1, Johannesburg, California. Construction Permit No. BPH-20070502AAE was assigned to Adelman Broadcasting, Inc. for FM Broadcast Station KLOA-FM, Ridgecrest, California. This reply was prepared by Joel T. Saxberg of Arcadia, California.

The permittee/licensee has made proper radiofrequency electromagnetic field measurements throughout the transmitter site area and has determined that there are no areas that exceed FCC guidelines for human exposure to RF fields. On Friday 3/7/2008 a Narda Survey Meter with a shaped E-Field probe was used to make measurements around the site. KRAJ, 1.5 kW ERP, KLOA-FM, 1.5 kW ERP and KFRJ, 5.5 kW ERP were operated at their nominal construction permit power levels while taking measurements. KRAJ occupies the top tower position, KLOA-FM's top bay is approx. 3 meters below KRAJ's bottom

bay and KFRJ's top bay is approx. 3 meters below the KLOA's bottom bay. All three stations employ 1/2 wavelength spaced antennas for reduced downward electromagnetic fields. Initial measurements were made with the Survey meter set to read instantaneous peak hold readings. No locations around the tower were found to exceed the general public levels, which are 20% of the occupational standard readings. Spatial Average readings were taken at locations where instantaneous peak hold readings showed maximum values that approached the general public limit. The highest spatial average reading was 11.4% of the occupational limit or 57% of the maximum permissible FCC guideline limit for the general public.

While taking radiofrequency electromagnetic field readings a Narda XT Personal Monitor was worn. The logged data from the Narda Personal monitor did not indicate any point that exceeded the General Public limit.

Mr. Jeffrey Zimmer, Chief Engineer for KFRJ, using different Narda survey equipment made radiofrequency electromagnetic field at the site under the same operating conditions on 3/5/2008. In reviewing his results, I find close agreement with readings I made. Again his results showed no locations where the power density exceeded the MPE guideline limit for the general public.

No fenced areas exceeded general public FCC guideline limits.

The permittee/lieensee in coordination with other users of the site will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

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 March 8, 2008



Joel T. Saxberg