

**ENGINEERING EXHIBITS**  
**FOR**  
**GOLD COAST BROADCASTING, LLC**  
**LICENSEE OF FM STATION KCAQ**  
**IN SUPPORT OF**  
**APPLICATION FOR CONSTRUCTION PERMIT**

**NOVEMBER 2006**

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

## **ENGINEERING STATEMENT OF JOEL T. SAXBERG**

This application for construction permit (FCC Form 301) was prepared for Gold Coast Broadcasting, LLC, licensee of FM station KCAQ, CH 284B, Oxnard, CA, by Broadcast Engineering and Equipment Maintenance Company, "(BEEM CO.)".

Gold Coast Broadcasting proposes to relocate its transmitter site to a new site it plans to develop following construction of its current construction permit. At the new site KCAQ will remain at maximum class "B" - 50 kW @ 150 m HAAT. The antenna center of radiation will be 42 meters AGL with a HAAT of 150 meters. The proposed antenna will be a eight-element ERI "rototiller" type using 0.926 wavelength spacing. This antenna has reduced downward radiofrequency electromagnetic fields.

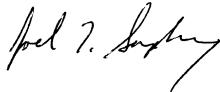
Radiofrequency Electromagnetic Fields – KCAQ will have an ERP of 50 kW (H & V) and will use an eight-element 0.926 wavelength spaced antenna. OET FM Model program was run for this facility and the resultant power density levels showed that the area around the site, including the up slope, were well below 0.2 mW/cm<sup>2</sup>. It is shown that using an antenna with reduced downward field characteristics, the site will be fully compliant with maximum permissible FCC Guideline levels for the General Public. When necessary for tower workers to go aloft, KCAQ will reduce power or terminate transmissions, in order that, tower personnel will not be exposed to radiofrequency fields in excess of FCC guideline levels.

## ENGINEERING CERTIFICATION

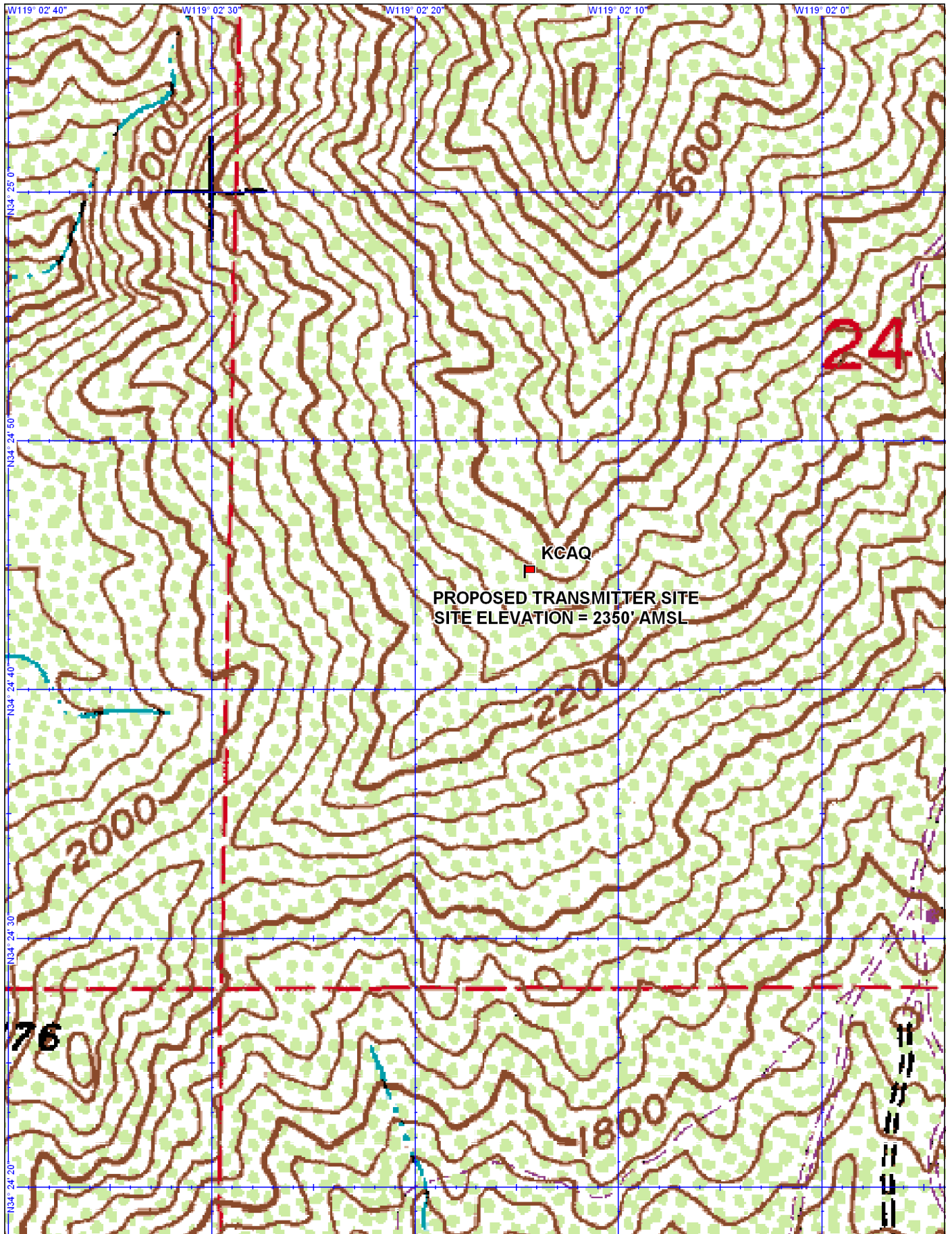
JOEL T. SAXBERG deposes and says:

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.

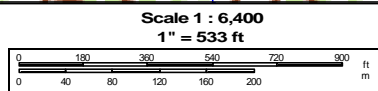
Executed on November 2, 2006



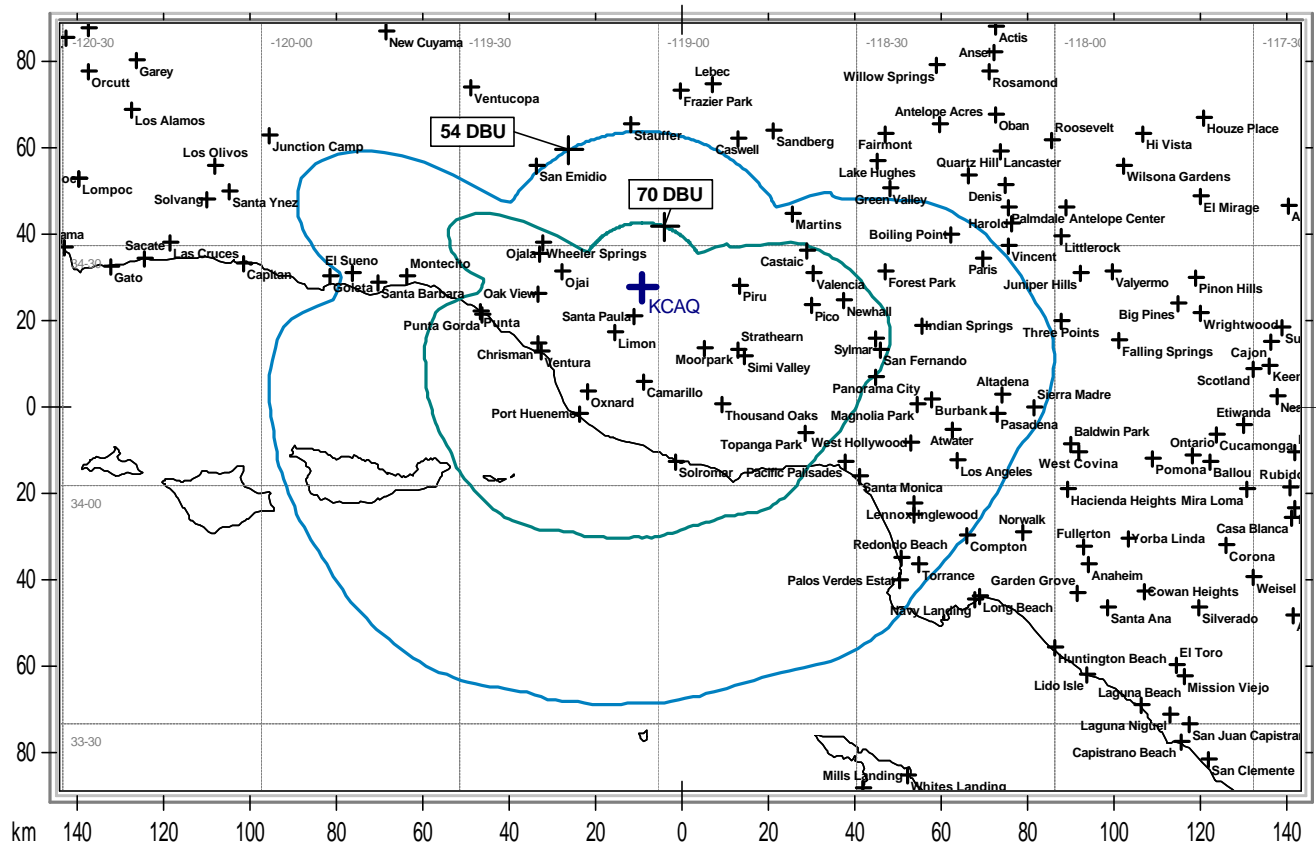
Joel T. Saxberg



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## GOLD COAST BROADCASTING, LLC



70 &amp; 54 DBU CONTOURS SHOWN

State Borders      Lat/Lon Grid