

ENGINEERING STATEMENT
APPLICATION FOR LICENSE
RADIO STATION KMLT(FM)
THOUSAND OAKS, CALIFORNIA

This statement was prepared on behalf of Radio Station KMLT(FM) concerning compliance with the special operating conditions of its construction permit (Permit No. BMPH-20040106AAE) and compliance with Section 73.1690(c)(1) of the FCC Rules.

1. Compliance with Section 73.1690(c)(1) – The proposed facility was constructed with its transmitting antenna located at 13 m above ground level, 2 m less than specified in the construction permit. Thus, the KMLT(FM) radiation center height above mean sea level is 476 m and the antenna height above average terrain is 139 m. However, the effective radiated power has not been altered and remains at 3.1 kW (H & V).
2. Special Condition 1 – AM station KIIS referenced in the KMLT(FM) construction permit has been taken off the air and its transmitter site has been dismantled. (See KIIS(AM) STA filing in FCC File No. BLSTA-20040826AFC; and FCC “Silent AM Station” list dated November 1, 2004.)
3. Special Condition 2 – A Dielectric model DCR-C1T transmitting antenna was installed. This antenna has an identical elevation pattern as the DCRM, one section antenna referenced in the KMLT(FM) permit.
4. Special Condition 3 – Radiofrequency electromagnetic field measurements were conducted at the KMLT(FM) transmitter site. Documentation concerning these measurements is attached hereto: *Radiofrequency Electromagnetic Field Measurements for KMLT Ch 224A 92.7 MHz Thousand Oaks, CA, November 2004*, by BEEM Co., Arcadia, CA). Therein are described the means of compliance with the FCC guidelines for human exposure to RF emissions and the steps taken to restrict access as required.

Louis Robert du Treil, Jr., P.E.

du Treil, Lundin & Rackley, Inc.
201 Fletcher Ave.
Sarasota, Florida 34237

November 4, 2004

**RADIOFREQUENCY ELECTROMAGNETIC FIELD
MEASUREMENTS
FOR
KMLT CH 224A, 92.7 MHZ
THOUSAND OAKS, CA**

NOVEMBER 2004

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

ENGINEERING STATEMENT OF JOEL T. SAXBERG

This technical report was prepared for Amaturo Group of L.A., LTD, licensee of FM station KMLT, 92.7 MHz, Thousand Oaks, CA by Broadcast Engineering and Equipment Maintenance Company, "BEEM CO." This report follows the taking of Radiofrequency Electromagnetic Field measurements at the new hillside transmitter site east of N. Westlake Blvd., in Thousand Oaks, CA.

RF Survey – A RF survey was made around the antenna site on November 1, 2004 using a Narda Model 8718-10 radiation survey meter, an 8732 shaped H field probe and an 8742 shaped E field probe. The manufacturer, L3 Communications recently calibrated these instruments. Calibration was completed on the following dates:

8718-10, s/n 01559, calibrated 3/31/2004

8732, s/n 06012, calibrated 3/30/2004

8742, s/n 03004, calibrated 3/30/2004

Method of Measurement – The survey meter was set to read and store instantaneous peak values using IEEE C95.1-1999 standard for "uncontrolled environments", General Public standard. Using this standard, a value of 100% represents the maximum permissible FCC guideline level for the General Public. The meter was then calibrated with the applicable probe (E field or H field) and the area around the newly installed antenna was surveyed (measured). The KMLT antenna is a single element Dielectric DCRC circularly polarized model. The single section antenna is top mounted on a metal mast placing the center of radiation at 13 meters above ground level. Areas around the antenna were measured and stakes driven into the soil where the power density dropped to the maximum permissible exposure (MPE) FCC guideline level for the General Public. Measurements were made using both E-Field and

the H-Field probes. The readings rolled off with distance from the antenna and increased going south and up the hillside as expected. There were no surprise readings. The technique in using the meter and probe is that demonstrated in a video sold by the equipment manufacturer and produced by Mr. Richard Tell, a recognized authority in radiofrequency electromagnetic field studies. The probe was slowly moved up and down while walking the area with the survey meter set to read instantaneous peak values. Wood stakes were driven for the fence location where instantaneous readings reached 100% of the uncontrolled standard. Spatial averages at these locations indicated values less than 100%. 100% value would represent the maximum permissible exposure level for the General Public.

SUMMARY - The area was surveyed and staked to mark the perimeter location of a site fence, which will limit access to the general public. The licensee will install a fence with warning signs at appropriate intervals, which describe the radiofrequency electromagnetic field hazard. According to my readings the site, when fenced, will be well within compliance with all FCC guideline levels for the General Public.

ENGINEERING CERTIFICATION

JOEL T. SAXBERG deposes and says:

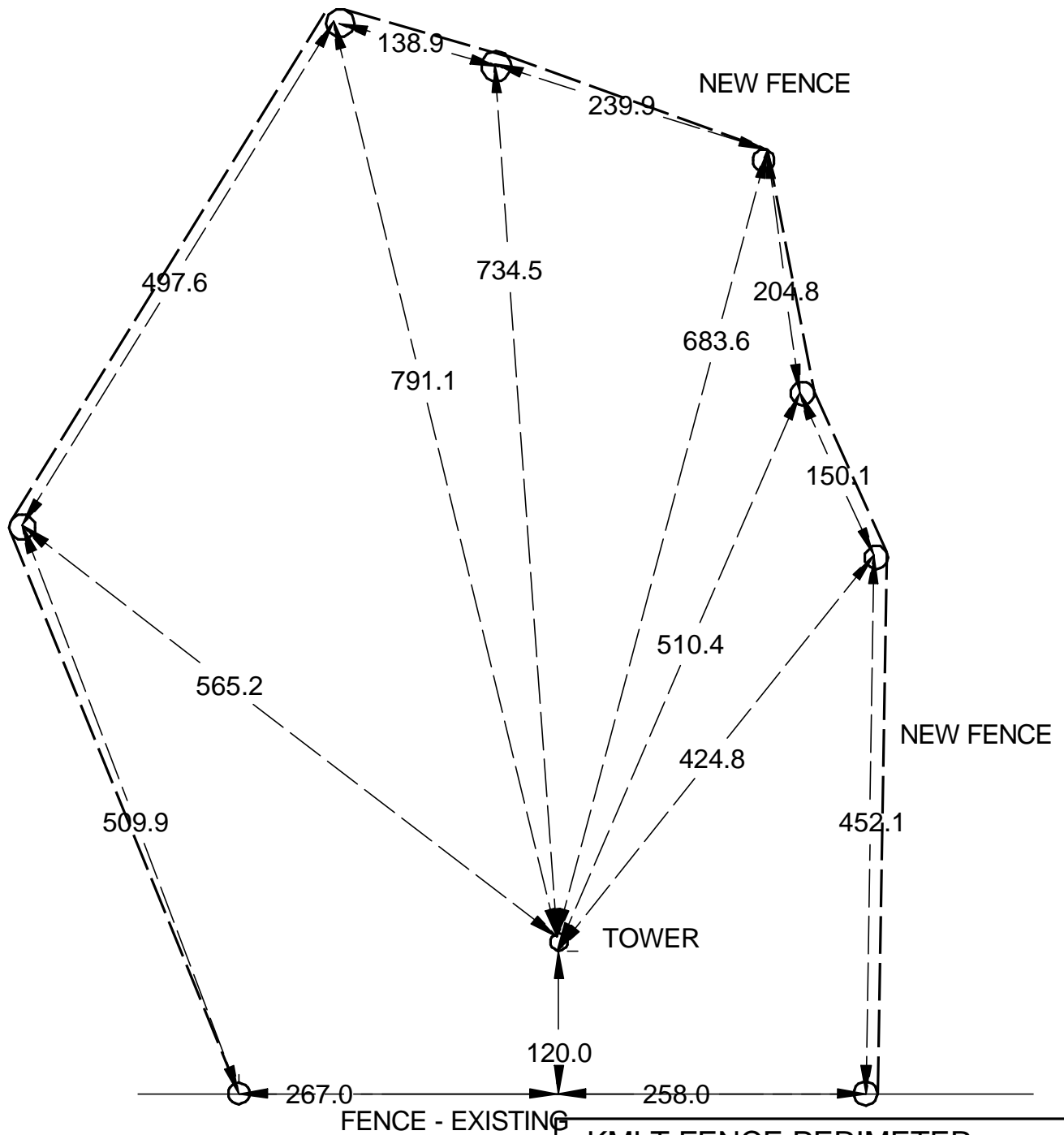
1. That he is President of Broadcast Engineering and Equipment Maintenance Company, "BEEM CO.", radio engineering consultants. BEEM CO. maintains offices at: 2322 S. Second Avenue, Arcadia, CA 91006. Telephone (626) 446-3468
2. That he was graduated from California State University at Los Angeles, February 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 thirty years working in the field of radio engineering.
5. That the attached engineering exhibit(s) and report(s) were 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

11/1/2004

Joel T. Saxberg

Joel T. Saxberg



ALL DIMENSIONS IN INCHES

KMLT FENCE PERIMETER

DRAWN Name		
CHECKED Name		
ENGINEER Name		
APPROVED Name		
SCALE 3/32"=1'	SIZE A	DWG NUMBER 0000-0000
REV -	SHEET 1 OF 1	