AMENDMENT TO APPLICATION

FOR

CONSTRUCTION PERMIT

FOR

COLOMA BROADCASTING, LLC

APPLICANT OF

CHANNEL 241A, MOJAVE, CALIFORNIA

§73.215 APPLICATION

SEPTEMBER 2005

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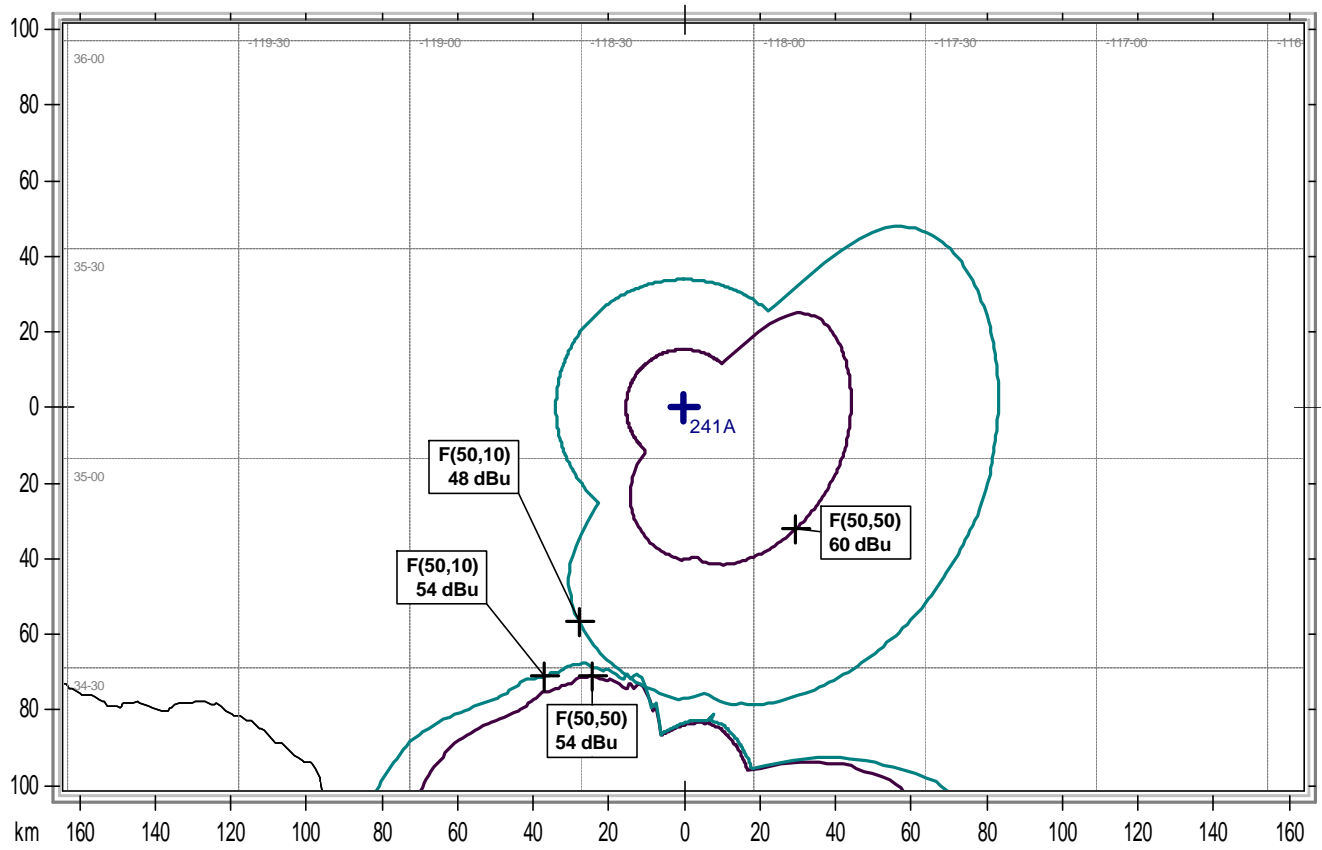**ARCADIA, CA**
(626) 446-3468

ENGINEERING STATEMENT OF JOEL T. SAXBERG

This amendment to the application for construction permit was prepared for Coloma Broadcasting, LLC, applicant of Channel 241A, Mojave, California by Joel T. Saxberg of Broadcast Engineering and Equipment Maintenance Company, "BEEM CO". Coloma proposes to use a transmitter site that is short-spaced to only one facility, KXOL-FM, CH 242B, Los Angeles. KXOL-FM is a §73.215 facility so contour protection is given to its present 54 dBu contour by the proposed Mojave facility. Coloma proposes to file this application under §73.215 and contour maps contained herein show that there is no prohibited contour overlap with this proposed facility and KXOL-FM.

RADIOFREQUENCY ELECTROMAGNETIC FIELDS – The proposed transmitter site with a 340' guyed tower would permit the installation of a four element, one-half wavelength spaced antenna with center of radiation at 99.7 m above ground level. Using the OET FM Model program, a maximum power density value of less than 1 uW/cm² is shown at two meters above ground level around the tower. Radiofrequency electromagnetic fields around the tower would be much less than 5% of the maximum permissible exposure level for uncontrolled or general public areas. When necessary for tower workers to go aloft, Coloma will reduce power or terminate transmissions in order to keep those workers under the FCC guideline limits for controlled environments.
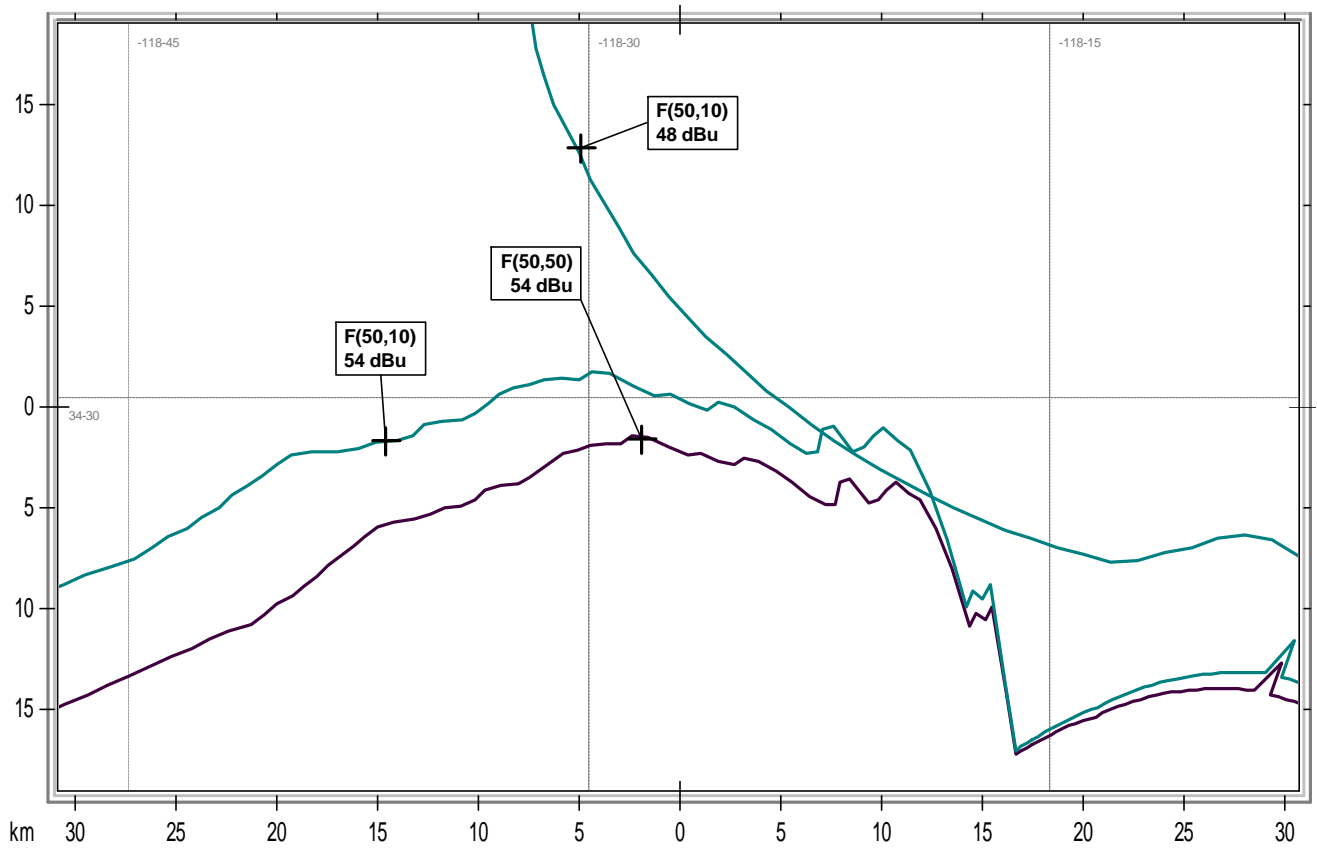
MAP SCALE: 1: 2,000,000

COLOMA BROADCASTING, LLC
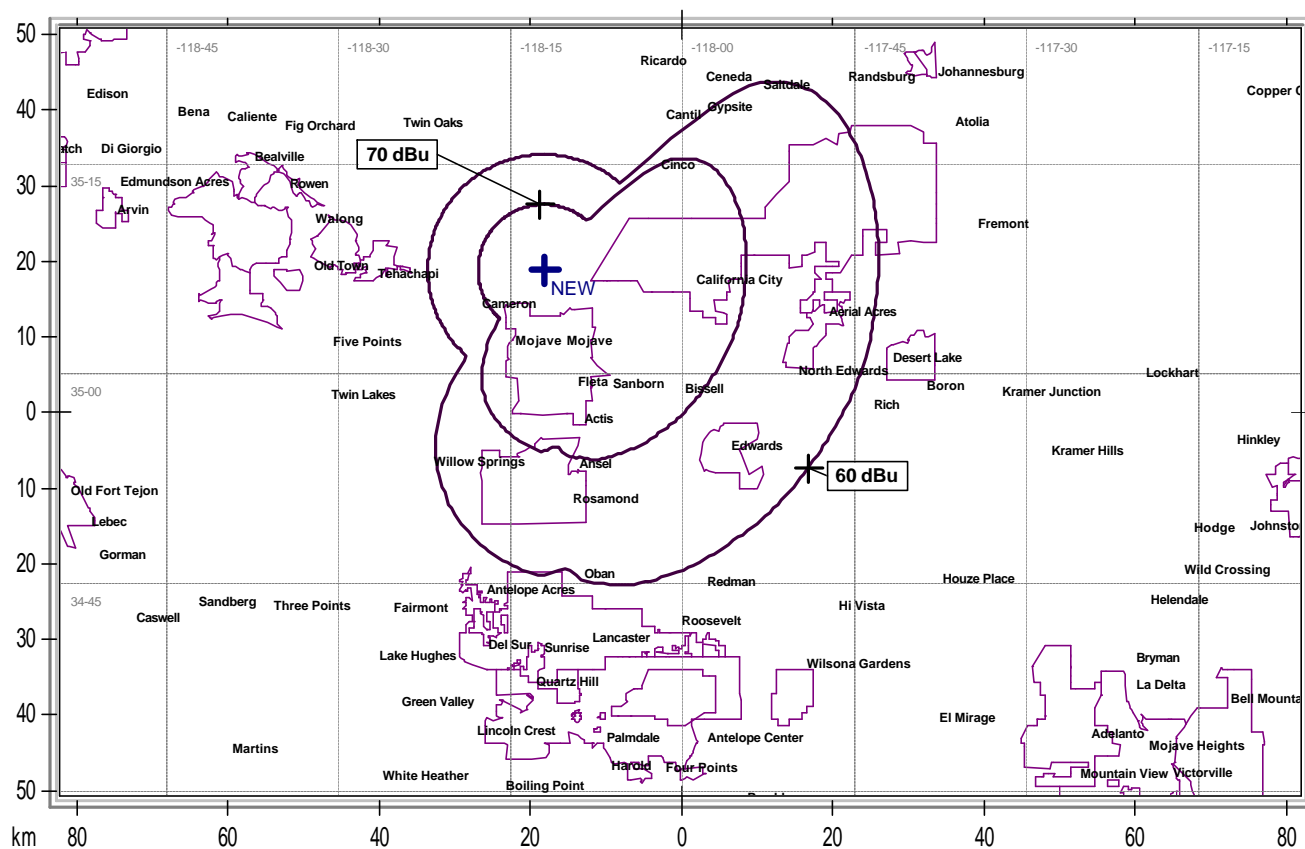
State Borders   Lat/Lon Grid

Map Scale: 1:2000000   1 cm = 20.00 km   V|H Size: 203.12 x 328.37 km   BEEM CO., ARCADIA, CA (626) 446-3468

EXPANDED MAP - NO OVERLAP SHOWN

-118-45   -118-30   -118-15

F(50,10)
48 dBu

F(50,50)
54 dBu

F(50,10)
54 dBu

34-30

km   30   25   20   15   10   5   0   5   10   15   20   25   30

COLOMA BROADCASTING, LLC

State Borders   Lat/Lon Grid

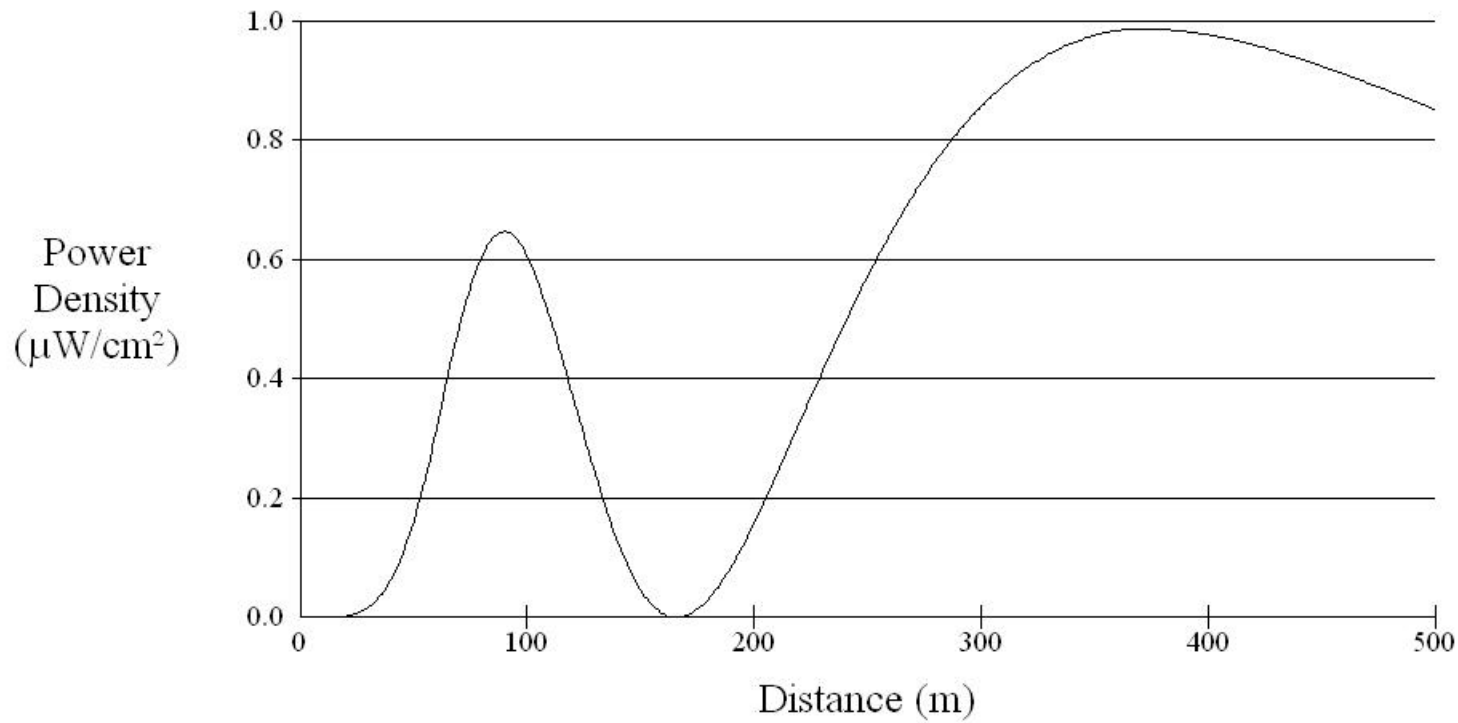Map Scale: 1:375000   1 cm = 3.75 km   V|H Size: 38.09 x 61.57 km   BEEM CO., ARCADIA, CA (626) 446-3468

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MAP SCALE: 1: 1,000,000

▬▬ State Borders   ▬▬ City Borders   ▬▬ Lat/Lon Grid

Power Density vs Distance

Power Density (μW/cm²) vs Distance (m)