

KLEIN BROADCAST ENGINEERING, L.L.C.

dedicated to improving the science and technology of radio & television communications

AUGUST 2007

FCC FORM 302-FM APPLICATION for STATION LICENSE TO COVER CONSTRUCTION PERMIT

**FCC File# BPH-20050426AAI
AGM – SANTA MARIA, L.P.
K B O X (FM)
(FCC FACILITY ID# 7049)
FM CHANNEL 281 B1 / 104.1 mHz.
LOMPOC, CALIFORNIA**

INTRODUCTION and ENGINEERING STATEMENT

The firm of Klein Broadcast Engineering, L.L.C, has been retained by the licensee/permittee of KBOX(FM), AGM – SANTA MARIA, L.P., to prepare the engineering calculations and exhibits required by FCC Form 302-FM, an application for FM Broadcast Station License to cover the outstanding FCC construction permit, captioned above.

The specifications of the facility are as follows:

Summary of Proposed Operation:

Effective Radiated Power	3.3 kW	H & V
Antenna Radiation Center Height Above Average Terrain	274 meters	H & V
Antenna Radiation Center Height Above Mean Sea Level	425 meters	H & V
Antenna Radiation Center Height Above Ground Level	47 meters	H & V
Transmitter Power Output	3.0 kW	

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These specifications are exactly as specified in the existing station's FCC FM Broadcast Station Construction Permit, FCC File Number BPH-20050426AAI.

The specified Transmitter Power Output (T.P.O.) of 3.0 kW produces the authorized Effective Radiated Power (E.R.P.) of 3.3 kW in both the horizontal and vertical planes as authorized.

Exhibit E-1 is a copy of the currently valid FCC FM Broadcast Station Construction Permit for Station K B O X. This exhibit is included herein as a courtesy to the Commission's staff to aid in the processing of this FCC Form 302-FM instant application.

There are three (3) Special Operating Conditions or Restrictions listed upon the FCC construction permit that will be addressed here:

#1. Special Operating Condition or Restriction:

BEFORE PROGRAM TESTS COMMENCE, sufficient measurements shall be made to establish the operation authorized in this construction permit is in compliance with the spurious emissions requirements of 47 C.F.R. Sections 73.317 (b) through 73.317 (d). All measurements must be made with all stations simultaneously utilizing the shared antenna. These measurements shall be submitted to the Commission along with the FCC Form 302-FM application for license.

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#1. Answer to Special Operating Condition or Restriction:

Attached as Exhibit E-2 herein are the requested RF Proof of Performance Measurements as outlined above. The measurements confirm compliance with 47 C.F.R. Sections 73.317 (b) through 73.317 (d) with regard to spurious emissions.

#2. Special Operating Condition or Restriction:

The permittee has specified the use of a four section , 0.5 wavelength spaced antenna to demonstrate compliance with the FCC radiofrequency electromagnetic field exposure guidelines. If any other type or size of antenna is to be used with the facilities authorized herein, THE AUTOMATIC PROGRAM TEST PROVISIONS OF 47 C.F.R. SECTION 73.1620 WILL NOT APPLY. In this case, a FORMAL REQUEST FOR PROGRAM TEST AUTHORITY must be filed in conjunction with the FCC Form 302-FM, application for license, BEFORE program tests will be authorized. This request should be made at least 10 days prior to the date on which program tests are desired to commence. The request must include a revised RF field showing to demonstrate continued compliance with the FCC guidelines.

Documentation demonstrating compliance with the FCC radiofrequency field exposure guidelines may be submitted in advance of the filing of the FCC Form 302-FM. The Commission's staff will review it for compliance and respond by letter stating whether automatic PTA has been reinstated.

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#2. Answer to Special Operating Condition or Restriction:

The permittee/applicant acknowledges the conditions in Special Operating Condition or Restriction #3. The applicant has installed at Station KPAT, an Electronics Research, Inc. (ERI) model SHPX-4AC-HW-SP. This antenna is an EPA Type 3 antenna with four sections, spaced 0.5 wavelengths, using a center feed and is the same type and size of antenna as specified in Special Operating Condition or Restriction #3.

Therefore the applicant has installed the same size and type specified in Special Operating Condition #3. with 4 sections and 0.5 wavelength spacing. The provisions of Automatic Program Test Authority found in 47 C.F.R. Section 73.1620 still apply.

#3. Special Operating Condition or Restriction:

The permittee/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.

#3. Answer to Special Operating Condition or Restriction:

The permittee/licensee, applicant will cooperate with other users of the site as necessary, including the reduction of operating power or the complete cessation of operations to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

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Station KBOX(FM) is now diplexed with Station KPAT(FM). The two stations are now operating into a common antenna. The applicant chose to operate both stations in this manner and the Commission authorized such operations in FCC FM Broadcast Station Construction Permit File Number BPH-20050426AAI for Station KBOX(FM).

This instant application requests the Commission grant a new station license for FM Broadcast Station K B O X (FM), as specified herein to cover FCC Construction Permit, File Number: BPH-20050426AAI.

The applicant, AGM – SANTA MARIA, L.P., respectfully requests the Commission staff consider and grant the instant application for the facilities requested herein.

Respectfully submitted,

Elliott Kurt Klein
Consulting Broadcast Engineer

14 August 2007