

KLEIN BROADCAST ENGINEERING, L.L.C.

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

FEBRUARY 2006

**FCC FORM 350 APPLICATION
for
STATION LICENSE to COVER CONSTRUCTION PERMIT
FCC File Number: BPFTB-20040614ABP
K Q B A - FM1
FCC FACILITY ID# 123369
FM Broadcast Booster Station
FM Channel 298
SANTA FE , NEW MEXICO**

INTRODUCTION and ENGINEERING STATEMENT

The applicant, Hutton Broadcasting, L.L.C., has retained the firm of Klein Broadcast Engineering, L.L.C., to prepared the technical portion of FCC Form 350, an application for Station License to cover the above captioned construction permit.

The facility requested is as follows:

Operation on FM Channel 234 at NL: 35 – 40 – 41 / WL: 105 – 59 – 26 (NAD-27)

Directional Antenna Main Lobe Direction 120 degrees True

Effective Radiated Power: Vertical Polarization Only 5.10kW

Antenna Radiation Center Above Ground Level: 32.0 meters

Antenna Radiation Center Above Mean Sea Level: 2116.0 meters

Overall Height of Antenna Structure AGL: 55.0 meters

Transmitter Power Output:	1.0kW
Calculated from transmission line efficiency:	92.8%
Combiner/Band-Pass Filter Loss:	-0.5dB
Scala Model CL-FM/VRM Antenna Power Gain:	5.9

INTRODUCTION and ENGINEERING STATEMENT cont'd page two: KQBA-FM1

There were five Special Operating Conditions placed on the above captioned construction permit. The five conditions will be addressed within this Engineering Statement.

Special Operating Condition #1.

Prior to commencing program test operations, FM translator or FM booster permittee must have on file at the Commission, FCC Form 350, Application for an FM Translator or FM Booster Station License, pursuant to 47 C.F.R. Section 74.14.

ANSWER TO CONDITION #1. This application is being filed to comply with the above captioned Special Condition.

Special Operating Condition #2.

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.

ANSWER TO CONDITION #2. The applicant will cooperate with all site users to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

Special Operating Condition #3. Please see separate Exhibit dealing with this Special Operating Condition.

INTRODUCTION and ENGINEERING STATEMENT cont'd page three: KQBA-FM1

Special Operating Condition #4.

Warning signs which describe the radiofrequency electromagnetic field must be posted at appropriate intervals. Access must be restricted to prevent exposure of humans to RF emissions in excess of FCC guidelines (OET Bulletin No. 65, Edition 97-01, released August 1997) Permittee shall submit documentation of compliance with this special operating condition when filing FCC form 350, application for license.

ANSWER TO CONDITION #4.

The applicant/permittee has placed four appropriate RF Radiation Hazard Warning signs at eye level through out the site in compliance with this special operating condition.

Additionally, the entire communications site is fenced off by a seven foot high fence with double locked gates. There is also a second seven foot fence at the site that surrounds the equipment building and tower base. This fence also has a locked double gate. In summary there are two fences and two sets of locked double gates in and around the communications site. This will prevent the General Public from being exposed to RFR levels in excess of FCC Guidelines. Only authorized personnel have keys to the aforementioned locked gates.

INTRODUCTION and ENGINEERING STATEMENT cont'd page four: KQBA-FM1

Special Operating Condition #5.

BEFORE PROGRAM TESTS COMMENCE, sufficient measurements shall be made to establish that 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 350 application for license.

ANSWER TO CONDITION #5. The required measurements were made according to the conditions as specified in Special Operating Condition #5. Compliance with 47 C.F.R. Sections 73.317(b) though 73.317(d) is certified herein. Exhibit E-2 included with this FCC Form 350 application for station license is a complete Radiofrequency Proof of Performance Report for KQBA-FM1 FM Broadcast Booster Station and supports the certification of compliance with the above captioned rule sections.

Exhibit E-1 is a copy of the underlying FCC FM Broadcast Booster Station Construction Permit, File Number: BNPFTB-20050329ABI. It is included herein as a courtesy to aid the Commission's staff in the processing of the FCC Form 350 Application.

INTRODUCTION and ENGINEERING STATEMENT cont'd page five: KQBA-FM1

The applicant having complied with the exact terms and Special Operating Conditions described in the underlying FCC Construction Permit requests the Commission consider this application and GRANT the application for Program Test Authority and for a Station License to cover the outstanding construction permit.

Respectfully submitted,

Elliott Kurt Klein, Consulting Broadcast Engineer

03 February 2006