MODIFY BPH-20080116ABE
LEGEND COMMUNICATIONS OF WYOMING, LLC
KKLX (FM) RADIO STATION
CH 241C1 - 96.1 MHZ - 63.0 KW
WORLAND, WYOMING
August 2008

EXHIBIT A

Radio Frequency Assessment

A study has been made to determine whether this proposal is in compliance with 47 C.F.R. §1.1307 of the Commission's rules and with OET Bulletin #65, dated August 1997 ("Bulletin"), regarding human exposure to radio frequency radiation in the vicinity of broadcast towers. As the proposed KKLX antenna is being mounted on a relatively short tower with another FM facility, it was not possible to use the worksheets to verify that the proposed KKLX facility is in compliance with the Commission's radio frequency exposure limits. This study considers all nearby stations, specifically the co-owned, co-located KYTS[1], and utilizes the appropriate formulas contained in the OET Bulletin.[2]

The KKLX antenna system is to be mounted with its center of radiation 80.2 meters (263.0 feet) above the ground at the tower location and will operate with an effective radiated power of 63.0 kilowatts in the horizontal and vertical planes (circularly polarized). The proposed KKLX antenna is to be a Electronics Research, Inc., rototiller style eight bay, full wavelength

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1) Legend is submitting an application to modify the outstanding permit for KYTS, Channel 271C2, Ten Sleep, Wyoming to downgrade KYTS to Channel 271C3, relocate the facility and change its community of license. The modified facility for KYTS will be considered herein.

2) The contributions of the FM facilities were calculated using the FMModel program. A single bay EPA dipole antenna was used for calculation purposes. In cases where the number of bays of the antenna was known, this data was used in the FMModel program.

spaced antenna (FCC/EPA Type #3). At 2.0 meters above the ground at the base of the tower, the height of an average person, the KKLX antenna system will contribute 0.0401 mw/cm^2.[3] Based on exposure limitations for a controlled environment, 4.0% of the allowable limit is reached at 2.0 meters above the ground at the base of the tower. For uncontrolled environments, 20.1% of the allowable limit is reached at 2.0 meters above the ground at the base of the tower.

The proposed KYTS antenna system, as requested in a separate application, is to be mounted with its center of radiation 54.9 meters (180.0 feet) above the ground at the tower location and will operate with an effective radiated power of 11.0 kilowatts in the horizontal and vertical planes (circularly polarized). The proposed KYTS antenna is to be a Electronics Research, Inc. rototiller style antenna (FCC/EPA Type #3).[4] At 2.0 meters above the ground at the base of the tower, the height of an average person, the KYTS antenna system will contribute 0.0584 mw/cm^2.[5] Based on exposure limitations for a controlled environment, 5.8% of the allowable limit is reached at 2.0 meters above the ground at the base of the tower. For uncontrolled environments, 29.2% of the allowable limit is reached at 2.0 meters above the ground at the base of the tower.

Combining the contributions of KKLX and KYTS, a total of 49.3% of the limit for an uncontrolled environments is reached at 2.0 meters above the ground at the base of the tower. Since this contribution level is less than the ANSI limits, it is believed the proposed KKLX

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3) This level of field occurs at 21.0 meters out from the base of the tower and is considered worst case.

4) A single bay was used as a worse case; the actual antenna may consist of more than one bay.

5) This level of field occurs at 53.0 meters out from the base of the tower and is considered worst case.

facility is in compliance with the radio frequency radiation exposure limits, as required by the Federal Communications Commission. Legend will also insure that warning signs have been posted in the vicinity of the tower warning of potential radio frequency radiation hazards at the site. In addition, Legend will reduce the power of the facility or cease operation in cooperation and coordination with other tower users, as necessary, to protect persons having access to the site, tower, or antenna from radio frequency radiation in excess of FCC guidelines.