

**HUMAN EXPOSURE TO RADIOFREQUENCY ELECTROMAGNETIC FIELDS  
COMPLIANCE STATEMENT PREPARED BY WILLIAM T. GODFREY, JR. OF THE  
FIRM KESSLER AND GEHMAN ASSOCIATES, INC., TELECOMMUNICATIONS  
CONSULTING ENGINEERS IN CONNECTION WITH THE MANLEY HOT SPRINGS  
PARK ASSOCIATION APPLICATION FOR A DIGITAL TRANSLATOR COMPANION  
CHANNEL (BSFDTT20060630CPA) AT THE K06JX MANLEY HOT SPRINGS, AK SITE.**

**ENVIRONMENTAL IMPACT**

The proposed Channel 10 digital companion channel translator facility (BSFDTT20060630ALB) would have no significant environmental impact as defined in §1.1307 of the FCC Rules. The digital transmitter, transmission line and antenna system would produce an ERP of 300 W. It was determined that the maximum lobe of radiation from the base of the tower would occur at approximately 42.9 feet from the base of the tower (50.6-foot radial distance from the antenna center). At approximately 42.9 feet from the base of the tower, the depression angle of the main lobe would be 32.0° below the horizontal. At that point, the relative field would be 0.664 and the power density six feet above the ground would be 0.0186 mW/cm<sup>2</sup>. This is only 1.86% of the Maximum Permissible Exposure (“MPE”) limits for Occupational/Controlled Exposure and only 9.29% of the MPE limits for General Population/Uncontrolled Exposure authorized by the American National Standards Institute (“ANSI”). Since the operation of the proposed Channel 10 translator facility would exceed 5.0% of the MPE limit for General Population/Uncontrolled Exposure at various points on the ground, the proposed facility would be considered a “contributor” to the RF exposure environment pursuant to OET Bulletin 65, Edition 97-01. Therefore, all antennas on the support structure must be analyzed and a composite study is required to demonstrate that the total power density of all antennas on the tower would not exceed 100% of the MPE allowable.

The only other broadcast antenna(s) on the proposed Channel 10 support structure is the Manley Hot Springs Park Association licensed K06JX analog Channel 6 TV translator antenna. The licensed K06JX facility has no significant environmental impact as defined in §1.1307 of the FCC Rules. The NTSC transmitter, transmission line and antenna system produce an ERP of 3 W. Assuming the maximum lobe of radiation was oriented toward the base of the tower, the licensed K06JX

facility's power density six feet above the ground would be 0.001 mW/cm<sup>2</sup>. That would only be 0.078% of the MPE limits for Occupational/Controlled Exposure and only 0.392% of the MPE limits for General Population/Uncontrolled Exposure authorized by the ANSI.

In conclusion, the proposed Channel 10 digital TV translator facility is predicted to cause 1.86% of the MPE limits for Occupational/Controlled Exposure and 9.29% of the MPE limits for General Population/Uncontrolled Exposure. The licensed K06JX analog TV translator facility is predicted to cause 0.078% of the MPE limits for Occupational/Controlled Exposure and 0.392% of the MPE limits for General Population/Uncontrolled Exposure. Therefore, the combined exposure from both (all) facilities on the support structure is predicted to be 1.94% of the MPE limits for Occupational/Controlled Exposure and 9.68% of the MPE limits for General Population/Uncontrolled Exposure. Accordingly, the combined exposure from both (all) broadcast facilities would result in exposure levels well below the allowable exposure threshold authorized by the ANSI and the FCC. It is safe to conclude that the emissions would be insignificant and well within the maximum allowable requirements.

If other antennas are placed on the tower in the future, the licensee will cooperate with those users by reducing or completely terminating the power to the antenna when maintenance workers are in danger from the electromagnetic radiation emanating from the antenna. It is also understood that additional antennas on the support structure could increase the overall RF exposure levels and it is the responsibility of each licensee to ensure that the total RF exposure resulting from the operation of all antennas on the support structure do not exceed the maximum permissible exposure level at any point on the ground.

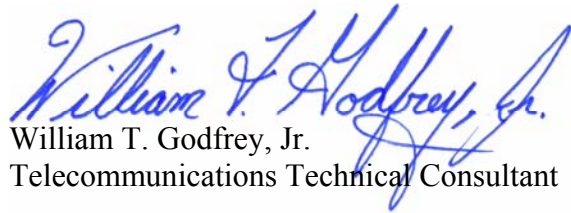
#### CERTIFICATION

This technical statement was prepared by William T. Godfrey, Jr., Telecommunications Consultant with Kessler and Gehman Associates, Inc. having offices in Gainesville, Florida and has been working in the field of radio and television broadcast consulting since 1998. He graduated from the University of North Florida with a Bachelor of Arts degree in Criminal Justice and a minor in Mathematics in 1993. As a Professional in the field of

Telecommunications he states under penalty of perjury that the information contained in this report is true and correct to the best of his knowledge and belief.



KESSLER AND GEHMAN ASSOCIATES, INC.

A handwritten signature in blue ink, reading 'William T. Godfrey, Jr.', is written over the printed name and title. The signature is fluid and cursive, with the first name 'William' being the most prominent.

William T. Godfrey, Jr.  
Telecommunications Technical Consultant

October 17, 2006