

DISPLACEMENT/FLASH-CUT APPLICATION
OKLAHOMA COMMUNITY TELEVISION, LLC
K68AU LPTV/TV TRANSLATOR STATION
CH 21 - 512-518 MHZ - 0.420 KW
ERICK, ETC., OKLAHOMA
November 2009

EXHIBIT B

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. This study utilizes the appropriate formulas contained in the OET Bulletin.

The proposed Channel 21 digital low power television/TV translator antenna system will be mounted with its center of radiation 124.0 meters (406.8 feet) above the ground and will operate with an effective radiated power of 0.420 kilowatt in the horizontal plane. At 2.0 meters above the ground at the base of the tower, the proposed Channel 21 antenna system will contribute 0.0004 mw/cm^2 . Based on exposure limitations for a controlled environment, $<0.1\%$ of the allowable ANSI limit is reached at 2.0 meters above the ground at the base of the tower. For the uncontrolled environment, 0.1% of the limit is reached at 2.0 meters above the ground at the base of the tower.

Since this level for controlled and uncontrolled environments is less than the 5% limit defined by the Commission {§1.1307(b)(3)(i)}, the proposed Channel 21 facility is believed to

be in compliance with the radio frequency radiation exposure limits, as required by the Federal Communications Commission. Further, OCT will post warning signs in the vicinity of the tower warning of potential radio frequency radiation hazards at the site. In addition, OCT 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.