

**MINOR CHANGE APPLICATION**  
**TO CORRECT COORDINATES**  
**LAS VEGAS BROADCASTERS, INC.**  
**KKVV (AM) RADIO STATION**  
**1060 kHz - 0.043/5.0 kW - NDU**  
**LAS VEGAS, NEVADA**  
**May 2014**

**EXHIBIT #3**

**Radio Frequency Assessment**

A study has been made to determine whether this station 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 considers all nearby contributing stations and uses the appropriate formulas contained in the OET Bulletin.<sup>1</sup> It is noted that KKVV, 1060 kHz, and KRLV, 1340 kHz, are co-located on a single tower that is fenced at a distance no closer than 2.0 meters (6.6 feet) to the AM radiator.

The KKVV single tower structure is 122.6° in electrical height with a 7.7° top load section. This brings the equivalent tower height to 130.3°. By reference to Figure 2 of OET 65-A, a tower radiating 5.0 kilowatts on 1060 kHz will deliver 219.7 V/m (Electric Field) or 0.587 A/m (Magnetic Field) at the fence perimeter. Since KKVV operates below 1340 kHz, the controlled and uncontrolled limits are the same. These contributions represent 35.8% of the electric field limit of 614 V/m and 36.0% of the magnetic field limit of 1.63 A/m. Since the magnetic field contribution is greater, it is considered worst case.

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1) The contributions of the FM stations were calculated with the FMModel program. The EPA single bay dipole antenna was used for calculations unless otherwise noted.

The KRLV single tower structure is 155.0° in electrical height with a 8.9° top load section. This brings the equivalent tower height to 164.8°. By reference to Figure 2 of OET 65-A, a tower radiating 1.0 kilowatt on 1340 kHz will deliver 151.5 V/m (Electric Field) or 0.145 A/m (Magnetic Field) at the fence perimeter. Since KRLV operates on 1340 kHz, the controlled and uncontrolled limits are the same. These contributions represent 24.7% of the electric field limit of 614 V/m and 8.9% of the magnetic field limit of 1.63 A/m. Since the electric field contribution is greater, it is considered worst case.

Combining the contributions of KKVV (AM) and KRLV (AM), the contribution level is less than 60.7% for uncontrolled environments; therefore, it is believed that these stations are in compliance with the radio frequency radiation exposure limits, as required by the Federal Communications Commission. LV Broadcasters will insure that warning signs have been posted in the vicinity of the tower and at the fence perimeter warning of potential radio frequency radiation hazards at the site. In addition, LV Broadcasters 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.