

## **Engineering Exhibit RF Radiation Compliance Statement**

The main transmitting antenna for KSNE-FM has been replaced with an eight element, full wave spaced, ERI SPHX-8AC antenna. KSNE-FM operates at an effective radiated power of 100 kW with a center of radiation above ground level of 35.0 meters as authorized in BLH-19870827KC. The authorized facility is located atop Black Mountain approximately 22 km Southeast of Las Vegas, NV. The Black Mountain antenna farm is a multi user broadcast telecommunications site. Access to the site is protected by three locked gates. Access to the area designated as an occupational exposure area is restricted by a combination of fencing and steep hazardous terrain.

On January 5, 2011 RF exposure measurements were conducted by members of the KSNE-FM technical staff in and around the site while KSNE-FM was operated as authorized. The measurements were made using a NARDA 8718B EM Survey meter (SN#1532 cal 5/10) utilizing an A8742D Shaped E Field Probe (SN#12010 cal 5/10) and a B8742D Shaped E Field Probe (SN#07001 cal 5/10). The A8742D is a shaped probe with usable response from 300 kHz – 3 GHz providing a reading of the electric field component in percentage of the plane wave equivalent power density corresponding to the 1997 FCC Occupational/Controlled Exposure Standard. The B8742D is a shaped probe with usable response from 300 kHz – 3 GHz providing a reading of the electric field component in percentage of the plane wave equivalent power density corresponding to the 1997 FCC General Population/Uncontrolled Exposure Standard. Measurements were made using the “Max Hold” function of the NARDA 8718B meter while slowly walking a survey grid around the site sweeping the meter probe up and down and side to side in an oscillatory fashion covering as much volume of space as practical. In areas where the indicated peak RF exposure levels approached or exceeded 100%, spatially averaged measurements were made utilizing the spatial averaging functionality built into the NARDA 8718B.

The area within the fence is designated as an Occupational/Controlled access area. Casual access to the area within the fence is limited by a securely locked gate, fencing and steep hazardous terrain. Appropriate cautionary signs are prominently posted indicating that RF exposure levels beyond the gate may exceed the levels specified for General Population/Uncontrolled exposure.

The maximum spatially averaged RF exposure level at ground level measured within the secured area was 190% of the 1997 FCC Occupational/Controlled Exposure limit. The small area where the maximum reading occurred was located near the Southwest corner of Building 4. The area is clearly identified with cautionary signs suggesting that persons should not tarry within the area. No other areas within the secured area were found where RF exposure levels exceeded 1997 FCC Occupational/Controlled Exposure limit. Thus, KSNE-FM, when operated as authorized by BLH-19870827KC complies with OET Bulletin 65 Edition 97-01 with regard to Occupational/Controlled Exposure.

The maximum spatially averaged RF exposure level at ground level measured outside the secured area was 28% of the 1997 FCC General Population/Uncontrolled Exposure limit. Thus, KSNE-FM, when operated as authorized by BLH-19870827KC complies with OET Bulletin 65 Edition 97-01 with regard to General Population/Uncontrolled Exposure.

KSNE-FM, in cooperation with other licensees, will reduce power or cease operations as necessary to protect persons having access to the site, including the tower or antennas, from RF exposure in excess of FCC guidelines.