

Engineering Exhibit

RF Radiation Compliance Statement

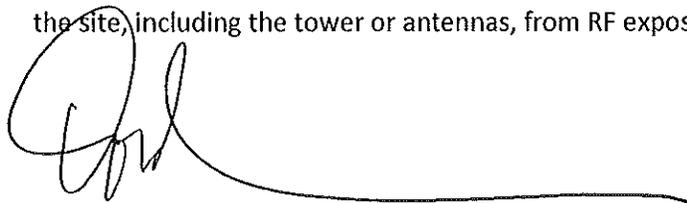
The auxiliary transmitting facilities authorized in construction permit BXPB-20161024ABO are located at the Mt. Wilson communications site, approximately 11 km northeast of Pasadena, CA. The area around the base of the tower is fenced with a locked gate for use by station personnel. Appropriate cautionary signs to advise of the presence of RF radiation are in plain view.

On March 7th of 2017, with subsequent measurements taken on July 8th and 12th, members of the KOST technical staff conducted RF exposure measurements in and around the communications site while KOST auxiliary facility was operated as authorized in the construction permit. The measurements were made using a NARDA 8718B EM Survey meter (SN#1532 cal 10/2016) utilizing an B8742D Shaped E Field Probe (SN#07001 cal 10/2016). The B8742D is a shaped probe corresponding to the 1997 FCC General Public/Uncontrolled Standard 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 Public/Uncontrolled Exposure Standard.

Measurements were made using the 'max-hold' feature of the Narda 8718B meter while slowly walking a survey grid around the site that encompassed Video Rd., both east and west of the pole that supports the KOST auxiliary antenna. Additionally, similar measurements were made along Weathervane road, both east and north of the KOST auxiliary antenna, and to the south and west of the site, along Mt Wilson Circle road. The meter probe was swept up and down, and side to side, in an oscillatory fashion, covering as much of the volume of space as practical.

No locations on this site exceed the limits specified in OET Bulletin 65, Edition 97-01 with regard to General Public/Uncontrolled exposure. The maximum spatially-averaged reading encountered over the entire area was 81.5% of the standard for non-controlled areas.

The measurements described above show that the KOST auxiliary facility, when operated as permitted by BXPB-20161024ABO, complies with OET Bulletin 65 Edition 97-01 with regard to the General Population/Uncontrolled Exposure at all accessible points at ground level. KOST, 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.



Doug Irwin

October 17, 2017