

KRPX REVISED Environmental Protection Act Study

In the underlying Construction Permit, the Permittee specified use of a Shively (EPA Type 6) antenna with three sections and one wavelength between sections. The Permittee has selected a different antenna for use (a Jampro JMPC-3 antenna). Therefore, the Automatic Program Test provisions of 47 C.F.R. SECTION 73.1620 do not apply. Therefore, the Permittee hereby formally requests Program Test Authority in conjunction with the instant FCC Form 302-FM, application for license. Below is a revised RF field study demonstrating continued compliance with the FCC guidelines.

The proposed FM Facility for KRPX at Wellington, UT, (the “Station”) has been evaluated in terms of potential radiofrequency electromagnetic field exposure at ground level in accordance with OET Bulletin No. 65, Evaluating Compliance with FCC Specified Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields (OET Bulletin 65, Second Edition 97-01, August, 1997). The Commission’s FM Model Power Density Prediction program was employed to determine the Field.

The Station has installed a Jampro JMPC-3 antenna consisting of 3 bays with one wavelength between sections. Using the “Jampro ‘Double V’” EPA Type 2 antenna with 3 sections with 1 wavelength between sections, and the AGL height and ERP granted in the construction permit (6 kW at a CORAGL of 33 meters), the highest predicted power density 2 meters above ground is less than 33% of the Uncontrolled Standard with a Power Density of 64.818 microwatts per square centimeter at a location 14.4 meters away from the base of the tower.

It should be noted that radio station KARB (FM) 252A Price, UT, is co-located with the KRPX facilities. KARB utilizes also uses a Jampro JMPC-3 antenna. Therefore, using the “Jampro ‘Double V’” EPA Type 2 antenna with 3 sections with 1 wavelength between sections, an ERP of 3 kW and a radiation center of 43 meters above ground level, the highest predicted power density 2 meters above ground is less than 10% of the Uncontrolled Standard with a Power Density of 18.526 microwatts per square centimeter

at a location 19 meters away from the base of the tower.

Therefore, the combined predicted power density 2 meters above the ground is less than 43% of the Uncontrolled Standard with a combined Power Density of 83.344 microwatts per square centimeter. There are no other emitters located within 100 meters of the proposed tower.

When it becomes necessary for workers to ascend the tower, appropriate measures, such as reduction or shut down of power if necessary, shall be taken to ensure that the human exposure to radiofrequency radiation will not exceed the FCC guidelines.