

## **Engineering Statement and Interference Analysis**

This application modifies BDCCDTL-20141205CJW for KRPE-LD, Facility ID 129651.

The proposed facility is identical to the facility authorized in BDCCDTL-20141205CJW except that it is going to another tower in the same antenna farm. The proposed tower is less than 100' north of the existing authorized tower.

The proposed channel 17 digital facility was studied using the Techware's tv\_process\_2010 software on a Sun Blade 1500. The Applicant requests that the Commission use the following Longley-Rice analysis settings to process this application:

- Cell Size for Service Analysis of 1.0 km per side
- Distance Increments for Longley-Rice Analysis of 1.0 km

It is believed that the proposed facility complies with the requirements 47.C.F.R Sections 74.709, 74.793(e), 74.793(f), 74.793(g), 74.793(h), 74.794(b), 73.1030 and other applicable parts of the Rules and Regulations of the Federal Communications Commission. However, to the degree that it is deemed necessary, the Applicant requests a waiver of these other applicable Commission rules in order to allow for the grant of this instant application.

### **Further Mexican Concurrence Is Not Required**

BDCCDTL-20141205CJW was approved by Mexico on September 24, 2015. Additional Mexico coordination is not required for this proposed facility as it is less than 100' north of the existing authorized tower in the same antenna farm.

### **Land Mobile Protection**

There is no predicted interference caused by the proposed facility as it is less than 100' north of the existing authorized facility in the same antenna farm.

### **Digital TV Station Protection**

The proposed operation causes less than 0.5% interference to surrounding digital assignments and allotments and facilities (i.e., "*de minimis*"). The only facility it causes any interference to is KUSI-TV, to which it causes a worst case in Scenario 1 of 0.332% new interference. It is believed that the proposed operation is in compliance with the spirit and intent of the FCC's interference standards.

### **Class A Television Station Protection**

The proposed operation causes less than 0.5% interference to surrounding Class A stations (i.e., "*de minimis*"). It is believed that the proposed operation is in compliance with the spirit and intent of the FCC's interference standards.

## **Low Power TV and TV Translator Station Protection**

The proposed operation causes less than 2.0% interference to surrounding low power assignments and allotments (i.e., “*de minimis*”). It is believed that the proposed operation is in compliance with the spirit and intent of the FCC’s interference standards.