

### **Engineering Statement and Interference Analysis**

This technical statement supports this application to modify BDISDTL-20100720ABQ, a digital displacement construction permit for WCHU-LP on channel 33 at Chicago, Illinois, Facility ID 129745, licensee to Venture Technologies Group, LLC (“VTG”)

In this application, VTG proposes to modify the Height of Radiation Center Above Ground Level to 351 meters, the Transmitter Output Power to 0.8 kW and the Antenna Model to a Panel Array. No other changes are proposed. The proposed facility was studied using the Techware’s tv\_process\_2010 software on a Sun Blade 1500 using the post transition database and the 2000 US Census. The Applicant proposes to raise the ERP and the transmitter output power. The Applicant requests that the Commission processes this instant application using the following Longley-Rice analysis settings:

- Cell Size for Service Analysis of 1.0 km/side
- Distance Increments for Longley-Rice Analysis of 1.00 km

It is believed that the proposed facility complies with the requirements of Sections 74.709, 74.793(e)-(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.

#### **Digital TV Station Protection**

The proposed facility causes less than 0.5% interference to surrounding digital authorized facilities (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.

#### **Class A, Low Power TV and TV Translator Station Protection**

The proposed facility causes less than 0.5% interference to surrounding low power and Class A authorized facilities (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.