

Engineering Statement and Interference Analysis

This technical statement supports this application to modify WCHU-LP, Chicago, IL, Facility ID 129745. WCHU-LP was granted a modification of a displacement construction permit to move from analog channel 61 to digital channel 44, see FCC File No. BMPDTL-20090514ACR for WCHU-LD. (“WCHU”)

Digital Displacement Relief

In this application, the Applicant seeks displacement relief and proposes to move WCHU from digital channel 44, Chicago, IL to digital channel 26, Chicago, IL. WCHU is currently operating pursuant to a special temporary authority (BSTA- 20090729ADZ) and is the Azteca affiliate for Chicago, IL. However, pursuant to the NPRM released on August 12, 2009, MM Docket 09-146, RM-11553, where WLS-TV proposed a channel substitution from digital channel 7 to digital channel 44, WCHU is displaced by WLS-TV. Therefore, WCHU proposes to move to digital channel 26.

Technical Analysis

The proposed facility on channel 26 was studied using the Techware’s tv_process_dlptv_pt software on a Sun Blade 1500 using the post transition data and the 2000 US Census. The facility as proposed will use a Full Service Mask instead of a Simple or Stringent mask filter. The default analysis settings have been changed to provide greater specificity in the analysis. The cell size for Service Analysis is 0.5 km per side. The distance increments for Longley-Rice Analysis is 0.20 km.

To the degree it is deemed necessary, the applicant requests a waiver of Section 74.705, 74.706, 74.707, 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 in order to allow for the grant of this instant application.

TV Broadcast Analog System Protection

The proposed operation causes less than 0.5% interference to surrounding analog 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. If necessary, a waiver of the FCC rules is respectfully requested for this analog allocation study based on use of the OET-69 procedures and all possible variance from FCC rules.

Digital TV Station Protection

The proposed operation 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. If necessary, a waiver of the FCC rules is respectfully requested for this digital allocation study based on use of the OET-69 procedures and all possible variance from FCC rules.

Class A, Low Power TV and TV Translator Station Protection

The proposed operation 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. If necessary, a waiver of the FCC rules is respectfully requested for this low power allocation study based on use of the OET-69 procedures and all possible variance from FCC rules.