

## ALLOCATION AND INTERFERENCE STUDY

PROPOSED WMPV-DT  
CHANNEL 20 - MOBILE, ALABAMA  
[AMENDMENT TO BPCDT-19991101AHY]

The Commission allotted Channel 20 to WMPV-DT with a nominal ERP of 200 kw at 436 meters above average terrain. The instant application specifies an ERP of 500 kw at 574 meters from a new site, which has been determined to be allowable under the FCC's *de minimis* standards with respect to various NTSC and DTV facilities.

In evaluating the interference effect of this proposal, we have relied upon the V-Soft Communications "Probe" computer program, which has been found generally to mimic the FCC's program. Changes in interference caused by WMPV-DT to other pertinent stations are tabulated in Exhibit D-2. It is important to note that this interference study employs the 2000 U.S. Census, a signal resolution (cell size) of 1 kilometer (instead of the FCC's 2 kilometers), and a profile spacing increment of 0.1 kilometer (instead of 1 kilometer). In doing so, we rely on the Commission's August 10, 1998, Public Notice "Additional Applications Processing Guidelines for DTV."

As indicated, the proposed WMPV-DT facility would not contribute more than two percent DTV interference to the service population of any affected NTSC or DTV station. In addition, this proposal does not result in any NTSC or DTV station receiving more than ten percent total DTV interference to viewers living within its present service area.

Therefore, this proposal meets the FCC's *de minimis* interference standards for DTV operations.