

TECHNICAL SUMMARY

TELEVISION STATION WOPX-TV
MELBOURNE, FLORIDA
CHANNEL 14 660 KW (MAX-DA) 468 M HAAT

1. The instant application is for an expanded facility for the authorized facility of WOPX-TV, Melbourne, FL (Channel 14).^{*} By means of this application the maximum effective radiated power (ERP) of WOPX-TV will be increased to 660 kW. There are no other changes proposed.

2. The proposed facility is compliant with the ‘largest station in the market’ provision of Section 73.622(f)(5) of the FCC Rules. It is proposed to operate on Channel 14 with a maximum directional ERP of 660 kW and an antenna height above average terrain (HAAT) of 468 meters. These facilities exceed the normal maximum permissible facilities specified in Section 73.622(f)(8)(i) of the FCC Rules. However, the proposed facilities have been calculated in accordance with the largest station provision of Section 73.622(f)(5) of the FCC Rules. Specifically, the largest station in the Orlando-Daytona Beach-Melbourne market is WACX(TV), Leesburg, FL, Channel 7, which holds a construction permit to provide noise-limited 36 dBu, f(50,90) service to an area of 40,340 square kilometers.[†] The proposed WOPX-TV operation is predicted to provide noise-limited 41 dBu, f(50,90) service to an area of 31,350 square kilometers.[‡] Therefore, the proposed WOPX-TV facility is compliant with the largest station provision of the FCC Rules.

3. The instant proposal is compliant with the interference protection requirements of the FCC Rules. The results the FCC’s *TVStudy* analysis are attached hereto as an exhibit. It is noted that use of a higher resolution cell size of 1.0 km and use of a higher resolution terrain profile increment of 0.5 km are requested for the *TVStudy* analysis.

^{*} See FCC File No. 0000027036.

[†] WACX(TV) is authorized for operation with a maximum directional ERP of 53.2 kW and an antenna HAAT of 493.6 m.

[‡] Clarification of the largest station provision is provided in the *Report and Order and Further Notice of Proposed Rule Making* in MM Docket No. 00-39 at paragraphs 73-74.