

Larry H. Will, P.E.

Broadcast Engineering

1055 Powderhorn Drive
Glen Mills, PA 19342-9504

PH (610) 399-1826
FAX (610) 399-0995
E-Mail lhwill@verizon.net

**WSKG PUBLIC TELECOMMUNICATIONS COUNCIL (WSKG PTC)
BINGHAMTON, NEW YORK**

PERMITTEE OF

WSKA(TV) CHANNEL 30

CORNING, NEW YORK

FACILITY ID # 78908

FCC FILE No. BPET-19960126KE

BMPEDT-20040413AAJ

**As amended July 28, 2004 and
May 27 and July 28, 2005**

**4th MINOR CHANGE ENGINEERING AMENDMENT
TO A PENDING APPLICATION TO MODIFY EXISTING
CONSTRUCTION PERMIT TO SPECIFY DTV OPERATION**

EXHIBIT 34 – REVISED COVERAGE AND INTERFERENCE SHOWING

INTRODUCTION AND PURPOSE

This 4th amendment to BMPEDT-20040413AAJ is being filed as a result of a Final Determination of No Hazard by the FAA on the proposed antenna support structure and subsequent registration of the tower in the Commission's WTB tower database under Registration Number **1250909**. With this amendment, the appropriate sections of the WSKA Form 340-DTV Tech Box have been modified to reflect the changes reported in this Exhibit including the approved tower registration number.

BACKGROUND

WSKA-TV was originally an unbuilt noncommercial educational "singleton" with no paired digital channel. The permit for this facility is due to expire on July 1, 2006. Because of the pending end of analog transmission, the original modification application was filed to specify immediate digital operation and was designated BMPEDT-20040413AAJ by the Commission. After that application was filed and accepted for filing, the FAA returned a Determination to the tower owner that the tower height requested could not be granted so a modification was submitted to the Commission on July 28, 2004 specifying a lower height with an antenna C/R of 177 meters HAAT. The height chosen was based on representations received from the FAA at that time.

As a result of an initial rejection of the modified application by Canada and further discussions with the International Bureau, further modifications were submitted to the Commission on May 27 and July 28, 2005 changing to a directional antenna pattern and providing modified Canadian interference showings. Counsel for WSKG PTC has recently received word from Commission staff that Canada has approved the proposed operation of WSKA-DT as currently on file (50 kW (MAX DA) a 177 meters HAAT).

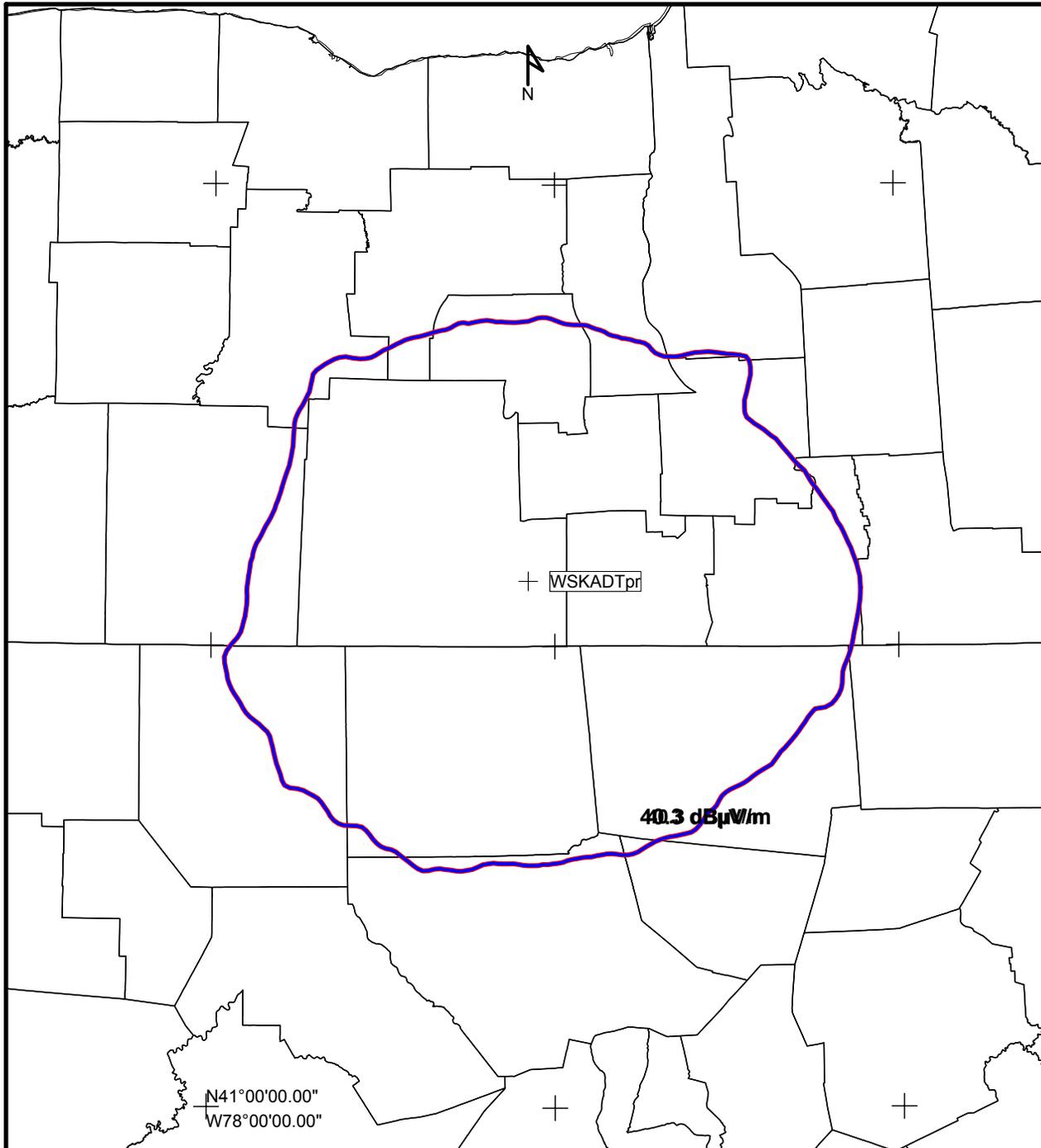
At about the same time the FAA issued a revised Determination of No Hazard permitting an overall tower height of 756 meters AMSL and the tower was subsequently registered as 1250909. The approved tower height was significantly greater than that determined by the FAA initially.

CHANGES REQUESTED HEREIN

Because of the greater tower height now available as a result of the FAA action, calculations by WSKG PTC's Consulting Engineer and included herein with this modification application showed that the proposed WSKA-DT directional antenna could be raised to a C/R height of 236 meters HAAT **PROVIDED** the ERP was reduced from 50 to 25 kW (MAX DA). As shown in Figure 3A-1 attached hereto, at this height and power, the WSKA-DT 40.3 dBu F(50,90) coverage contour is IDENTICAL to that at 50 kW (MAX DA) at 177 meters HAAT. In addition and as shown in Figure 3B-1 attached hereto, the distances to both required interfering contours of 12.4 and 28.4 dBu F(50,10) [19.5 and 35.5 dBu F(10,10)] is reduced **so that even greater contour separation** than already approved by Canada to the affected Canadian stations protected service areas is now provided. Thus, with these changes and with recent discussion with the International Bureau staff, we believe this instant modification application is now ready for an instant grant and no further notification to Canada is required by the L.O.U. Specifically we are reducing the ERP from 50 to 25 kW (MAX DA), changing the overall tower height to 244 meters AG; 756 meters AMSL, and changing the C/R from 177 to 236 meters HAAT.

THE CONSTRUCTION PERMIT FOR THIS FACILITY EXPIRES ON JULY 1, 2006. WE REQUEST EXPEDITED PROCESSING SO THAT WSKG PTC CAN PLACE TIMELY ORDERS FOR EQUIPMENT AND COMPLETE CONSTRUCTION AS SOON AS POSSIBLE. CONTINUED AVAILABILITY OF A MATCHING FINANCIAL GRANT DEPENDS UPON RAPID COMPLETION OF THESE FACILITIES. WE, THROUGH THE TOWER OWNER, HAVE COMPLIED WITH ALL NEPA REQUIREMENTS AND EXPECT THE TRIBAL

**CONCURRENCE LETTER SHORTLY. WE EXPECT ALL LOCAL APPROVALS
TO BE COMPLETED BY JANUARY 10, 2006.**



SIGNAL™: WSKA_tall_tower_coverage.map

Prop. model: FCC-FCC
 Time: 90.0% Loc.: 50.0%
 Prediction Confidence Margin: 0.0dB
 Climate: Continental Temperate
 Land use (clutter): none
 Atmospheric Abs.: none
 K Factor: 1.333
 RX Antenna - Type: ADAPTIVE
 Height: 9.1 m AGL Gain: 10.00 dBd

Sites

Site: WSKADT
 N42°08'29.73" W77°04'39.11" 512.0 m
 WSKADT Tx.Ht.AGL: 177.0 m Total ERPd: 16.98dBkW
 Grp: 2 directional-horizontal/140.0° 567.2500 MHz

Interference contour study

Propagation methods:
 service contour : FCC-FCC 90.0%

■ = **40.3 dBµV/m service contour**
▬ **quick contours**

Notes

Plot of the FCC type service contours
 for WSKA-DT F(50,90).
 BLUE - As shown in BMPEDT-20040413AAJ
 as on file and approved by Canada.
 50 kW (DA) at 177 meters HAAT.
 RED - As proposed 25 kW at 236 meters.
 Larry H. Will, P.E.
 Glen Mills, PA 19342



COVERAGE MAP

WSKA-DT

FIGURE 3A-1

12-14-2005



SIGNAL™: WSKA_tall_tower_interference.map

Prop. model: FCC-FCC
 Time: 90.0% Loc.: 50.0%
 Prediction Confidence Margin: 0.0dB
 Climate: Continental Temperate
 Land use (clutter): none
 Atmospheric Abs.: none
 K Factor: 1.333
 RX Antenna - Type: ADAPTIVE
 Height: 9.1 m AGL Gain: 10.00 dBd

quick contours

Sites

Site: WSKADT
 N42°08'29.73" W77°04'39.11" 512.0 m
 WSKADT Tx.Ht.AGL: 177.0 m Total ERPd: 16.98dBkW
 Grp: 2 directional-horizontal/140.0° 567.2500 MHz

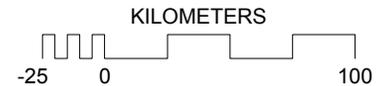
Interference contour study

Propagation methods:
 cochannel interference : FCC-FCC 10.0%
 1st adjacent interference : FCC-EDX 10.0%

■ = 28.4 dBuV/m cochannel interference
■ = 12.4 dBuV/m 1st adjacent interference

Notes

Plot of the FCC type interference contours for WSKA-DT F(50,10).
 GREEN/RED - As shown in BMPEDT-20040413AAJ as on file and approved by Canada.
 50 kW (DA) at 177 meters HAAT.
 BLACK - As proposed 25 kW at 236 meters.
 Larry H. Will, P.E.
 Glen Mills, PA 19342



CONTOUR PROTECTION MAP

WSKA-DT- PARIS PETERBOROUGH

FIGURE 3B-1

12-14-2005

12.4 dBuV/m
12.4 dBuV/m

N41°00'00.00"
W80°00'00.00"

28.4 dBuV/m
28.4 dBuV/m