

ENGINEERING STATEMENT  
APPLICATION FOR LICENSE TO COVER PURSUANT TO  
FCC FILE NO. BMPCDT-20050707AAJ  
ON BEHALF OF  
TELEVISION STATION GROUP LICENSE SUBSIDIARY, LLC  
WTAJ-DT, ALTOONA, PENNSYLVANIA  
CHANNEL 32 883 KW ERP ND 304 METERS HAAT

OCTOBER 2005

COHEN, DIPPELL AND EVERIST, P.C.  
CONSULTING ENGINEERS  
RADIO AND TELEVISION  
WASHINGTON, D.C.

COHEN, DIPPELL AND EVERIST, P. C.

City of Washington )  
 ) ss  
District of Columbia )

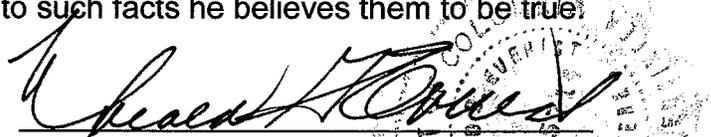
Donald G. Everist, being duly sworn upon his oath, deposes and states that:

He is a graduate electrical engineer, a Registered Professional Engineer in the District of Columbia, and is President, Secretary and Treasurer of Cohen, Dippell and Everist, P.C., Consulting Engineers, Radio - Television, with offices at 1300 L Street, N.W., Suite 1100, Washington, D.C. 20005;

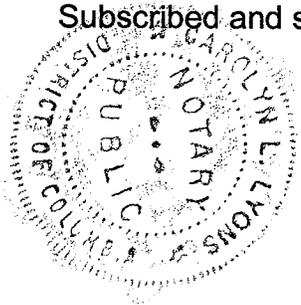
That his qualifications are a matter of record in the Federal Communications Commission;

That the attached engineering report was prepared by him or under his supervision and direction and

That the facts stated herein are true of his own knowledge, except such facts as are stated to be on information and belief, and as to such facts he believes them to be true.

  
Donald G. Everist  
District of Columbia  
Professional Engineer  
Registration No. 5714

Subscribed and sworn to before me this 11<sup>th</sup> day of October, 2005.



  
Notary Public

My Commission Expires: 2/28/2008

COHEN, DIPPELL AND EVERIST, P. C.

City of Washington )  
 ) ss  
District of Columbia )

Martin R. Doczkat being duly sworn upon his oath, deposes and states that:

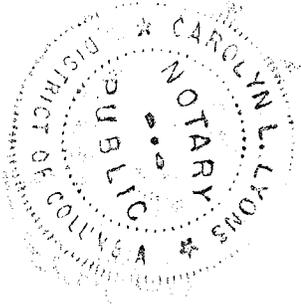
He is a graduate electrical engineer of the Pennsylvania State University, and is a staff engineer at Cohen, Dippell and Everist, P.C., Consulting Engineers, Radio - Television, with offices at 1300 L Street, N.W., Suite 1100, Washington, D.C. 20005;

That the attached engineering report was prepared by him or under his supervision and direction and

That the facts stated herein are true of his own knowledge, except such facts as are stated to be on information and belief, and as to such facts he believes them to be true.

  
Martin R. Doczkat

Subscribed and sworn to before me this 11<sup>th</sup> day of October, 2005.



  
Notary Public

My Commission Expires: 2/28/2008

This engineering statement has been prepared on behalf of Television Station Group License Subsidiary, LLC, licensee of WTAJ-TV, Altoona, Pennsylvania. The purpose of this engineering statement is to accompany its request for license to cover pursuant to its outstanding construction permit for digital television ("DTV") facilities (FCC File No. BMPCDT-20050707AAJ) and to supplement those data required in FCC Form 302, Section III.

WTAJ-TV operates on NTSC Television Channel 10 with a maximum visual horizontal effective radiated power ("ERP") of 231 kW non-directional at a height above average terrain ("HAAT") of 335 meters (1099.1 feet). WTAJ-TV has been allocated DTV Channel 32 with facilities of 1000 kW at a HAAT of 338 meters in the revised DTV Table of Allotments.<sup>1</sup> WTAJ-DT has been authorized to construct DTV facilities of 883 kW non-directional, horizontal polarization, at a HAAT of 304 meters in FCC File No. BMPCDT-20050707AAJ and requests a license to cover pursuant to these facilities herein.

There are no AM stations located within 3.22 km of the existing WTAJ-TV tower site. There are three FM and one full-service NTSC station, WTAJ-TV, located and transmitting within 100 meters from this site.

The DTV antenna is side-mounted on the existing WTAJ-TV tower having a total overall structure height above ground of 82.2 meters (269.7 feet). The existing transmitter site is located 5 miles northwest of Altoona, Pennsylvania.

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<sup>1</sup>"In the Matter of Advanced Television Systems and Their Impact Upon the Existing Television Broadcast Service", MM Docket No. 87-286, Memorandum Opinion and Order on Reconsideration of the Sixth Report and Order (FCC 98-24), 2/12/98, DTV Table of Allotments, Appendix B.

The tower registration number of the existing tower is 1026694.

The geographic coordinates of the site are:

North Latitude: 40° 34' 01"

West Longitude: 78° 26' 30"

NAD-27

#### Equipment Data

Antenna: ERI, Type ATL32H3-HSO-32 (or equivalent) horizontally polarized antenna with 0.75° electrical beam tilt.

#### Power Data

Transmitter output (Type-Approved)	29 kW	14.62 dBk
ERI, Type MACX650 50 ohm or equivalent-length 54.9 meters (180 ft)	95.1%	0.22 dB
Input power to the antenna	27.59 kW	14.41 dBk
Antenna power gain, Main Lobe	32	15.05 dB
Effective Radiated Power, Maximum	883 kW	29.46 dBk

#### Special Operating Conditions

WTAJ-TV acknowledges that the grant of this DTV construction permit (FCC File No. BMPCDT-20050707AAJ) is subject to the special operating conditions specified in the outstanding construction permit. Therefore, WTAJ-TV certifies that it has made a good faith effort to identify and notify potentially affected health care facilities within the DTV service area authorized by the outstanding construction permit.

**SECTION III PREPARER'S CERTIFICATION**

I certify that I have prepared Section III (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name Martin R. Doczkat	Relationship to Applicant (e.g., Consulting Engineer) Consulting Engineer	
Signature <i>M R Doczkat</i>	Date October 11, 2005	
Mailing Address Cohen, Dippell and Everist, P.C., 1300 L Street, NW, Suite 1100		
City Washington	State or Country (if foreign address) DC	ZIP Code 20005
Telephone Number (include area code) (202) 898-0111	E-Mail Address (if available) cde@attglobal.net	

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001),  
AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)),  
AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).