

ENGINEERING STATEMENT
RE REQUEST FOR LICENSE TO COVER
PURSUANT TO THE OUTSTANDING CONSTRUCTION PERMIT
(FCC FILE NO. BMPCDT-20050722ACI)
ON BEHALF OF INDEPENDENCE TELEVISION COMPANY
WFTE-DT, SALEM, INDIANA
CHANNEL 51 1000 KW DIRECTIONAL ERP 374 METERS HAAT

JUNE 2006

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)

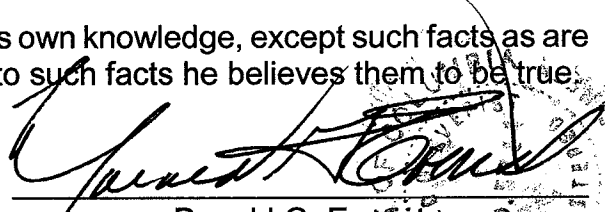
Donald G. Everist, being duly sworn upon his oath, deposes and states that:

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;

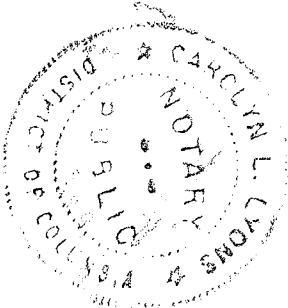
That the attached engineering report was prepared by him or under his supervision and direction and

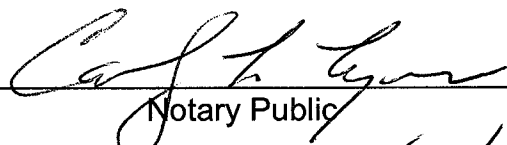
That the facts stated herein are true of his own knowledge, except such facts as are stated to be on information and belief, and as to such facts he believes them to be true.



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

Subscribed and sworn to before me this 12th day of June, 2006.





Notary Public

My Commission Expires: 4/28/2008

This engineering statement has been prepared on behalf of Independence Television Company licensee of WFTE-DT, Salem, Indiana, and accompanies the request for license to cover pursuant to the DTV operating parameters specified by the outstanding construction permit for WFTE-DT (FCC File No. BMPCDT-20050722ACI) until the end of the transition.

WFTE(TV) operates on NTSC Television Channel 58 with a maximum effective radiated power (“ERP”) of 1780 kW directional and a height above average terrain (“HAAT”) of 346 meters (1135.2 feet). WFTE(TV) has been allocated channel 51 for DTV operation in the revised DTV Table of Allotments¹ and was authorized to construct DTV facilities (FCC File No. BPCDT-19991101ACP) with 1000 kW directional ERP at 390.4 meters HAAT. It currently holds a construction permit for 1000 kW maximum DA at 374 meters.

The diplexed DTV antenna has been side-mounted on the existing tower having a total overall structure height above ground of 304.8 meters (1000 feet). The existing transmitter site is located at 5257 S Skyline Dr, Floyds Knob, Indiana.

The proposed antenna TFU-32DSB-R-O4-TC from Dielectric has been modeled using that manufacturer’s software designed to calculate the specific effects of the supporting tower on the WFTE-DT pattern. Best efforts have been made to maximize the pattern, while protection to the end of the transition to WKON(TV), Owenton, Kentucky, NTSC Channel 52, operation is realized. Since this antenna is also used to transmit the WDRB-DT signal, that modeling software also calculated the tower effects on the WDRB-DT signal and was designed to enhance to the extent

¹WDRB(TV) filed a request to operate at an ERP of 3990 kW with the same antenna. The purpose is to permit the buildout of the DTV facilities without unduly compromising the tower structure integrity.

feasible the WDRB-DT service area while taking into account the WIPB(TV), Muncie, Indiana, allocation constraints.

At the end of the transition, it is planned to remove the WDRB(TV) NTSC top-mounted² antenna and replace it with the Dielectric Model No. TFU-32 DSB-R-O4-TC antenna, thereby permitting WFTE-DT and WDRB-DT to operate with a top-mounted diplexed antenna.

The tower registration number of the existing tower is 1028421.

The geographic coordinates of the existing site are as follows:

North Latitude: 38° 21' 00"

West Longitude: 85° 50' 57"

NAD-27

Equipment Data

Antenna: Dielectric, Type TFU-32DSB-R-O4-TC horizontally polarized antenna with 0.75° electrical beam tilt.

Power Data

Transmitter output	29.4 kW	14.69 dBk
Combiner loss	93.3	0.3 dB
EHT 7" or equivalent-length 274.3 meters (900 ft)	78.3%	1.06 dB
Input power to the antenna	21.5 kW	13.33 dBk

²"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.

Antenna power gain, Main Lobe	46.5	16.67 dB
Effective Radiated Power, Maximum	1000 kW	30 dBk

Special Operating Conditions

WFTE-DT certifies that it has fulfilled the requirements set forth in the special operating condition in its outstanding construction permit (FCC File No. BMPCDT-20050722ACI) and has made a good faith effort to identify and notify health care facilities within its service area potentially affected by its proposed DTV operations.

Section III - Engineering

TECHNICAL SPECIFICATIONS

Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

TECH BOX

1. Channel _____			
2. Operating Constants			
Transmitter power output (average power at input to transmission line, after any filter attached to the transmitter, if used)		Transmission line power loss	
kW		dBk	
dB		dB	
Antenna Input power	Maximum antenna power gain	Effective radiated power (average power)	
dBk	dB	kW	dBk
3. Antenna Data			
Manufacturer		Model	

NOTE: In addition to the information called for in the Certification Checklist, an explanatory exhibit providing full particulars must be submitted for each question for which a "No" response is provided.

CERTIFICATION

4. Main Studio Location. The main studio location complies with 47 C.F.R. Section 73.1125.	<input type="checkbox"/> Yes <input type="checkbox"/> No	See Explanation in Exhibit No.
5. Constructed Facility. The facility was constructed as authorized in the underlying construction permit or complies with 47 C.F.R. Section 73.1690.	<input type="checkbox"/> Yes <input type="checkbox"/> No	See Explanation in Exhibit No.
6. Special Operating Conditions. The facility was constructed in compliance with all special operating conditions, terms, and obligations described in the construction permit.	<input type="checkbox"/> Yes <input type="checkbox"/> No	See Explanation in Exhibit No.
An exhibit may be required. Review the underlying construction permit.		Exhibit No.
7. Transmitter. The transmitter complies with 47 C.F.R. Section 73.1660.	<input type="checkbox"/> Yes <input type="checkbox"/> No	See Explanation in Exhibit No.

PREPARER'S CERTIFICATION ON PAGE 6 MUST BE COMPLETED AND SIGNED.

APPLICATION FILED PURSUANT TO 47 C.F.R. SECTIONS 73.1675(c) or 73.1690(c).

Only applicants filing this application pursuant to 47 C.F.R. Sections 73.1675(c) or 73.1690(c) must complete the following

8. **Changing transmitter power output.** Is this application being filed to authorize a change in transmitter power output caused by the replacement of an omnidirectional antenna with another omnidirectional antenna or an alteration of the transmission line system? See 47 C.F.R. Sections 73.1690(c)(1) and (c)(10). ☐ Yes ☐ No

9. **Replacing a directional antenna.** Is this application being filed pursuant to 47 C.F.R. Section 73.1690(c)(3) to replace a directional antenna with another directional antenna? ☐ Yes ☐ No

If "Yes" to the above, the applicant certifies the following:

- a. **Pattern of Directional Antenna.** The proposed theoretical antenna pattern complies with 47 C.F.R. Section 73.1690(c)(3). **Exhibit is required.** ☐ Yes ☐ No

See Explanation in Exhibit No.

Exhibit No.

10. **Use a formerly licensed main facility as an auxiliary facility.** Is this application being filed pursuant to 47 C.F.R. Section 73.1675(c)(1) to request authorization to use a formerly licensed main facility as an auxiliary facility and/or change the ERP of the proposed auxiliary facility? ☐ Yes ☐ No

If "Yes" to the above, the applicant certifies the following:

- a. **Auxiliary antenna service area.** The proposed auxiliary facility complies with 47 C.F.R. Section 73.1675(a). **Exhibit is required.** ☐ Yes ☐ No

See Explanation in Exhibit No.

- b. **Environmental Protection Act.** The proposed facility is excluded from environmental processing under 47 C.F.R. Section 1.1306 (*i.e.*, the facility will not have a significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments). ☐ Yes ☐ No

See Explanation in Exhibit No.

By checking "Yes" above, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic exposure in excess of FCC guidelines.

11. **Change the license status.** Is this application being filed pursuant to 47 C.F.R. Section 73.1690(c)(9) to change the license status from commercial to noncommercial or from noncommercial to commercial? ☐ Yes ☐ No

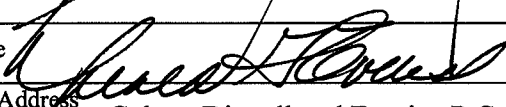
Exhibit No.

If "Yes" to the above, submit an exhibit providing full particulars. For applications changing license status from commercial to noncommercial, include Section II of FCC Form 340 as an exhibit to this application.

PREPARER'S CERTIFICATION ON PAGE 6 MUST BE COMPLETED AND SIGNED.

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 Donald G. Everist		Relationship to Applicant (e.g., Consulting Engineer) Consulting Engineer	
Signature 		Date June 12, 2006	
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).