

ENGINEERING STATEMENT
RE APPLICATION FOR LICENSE TO COVER
THE OUTSTANDING CONSTRUCTION PERMIT
(FCC FILE NO. BMPCDT-20070125ABR)
ON BEHALF OF
NEXSTAR BROADCASTING, INC.
KTAL-DT, TEXARKANA, TEXAS
CHANNEL 15 1000 KW ERP ND 454.3 METERS HAAT

APRIL 2007

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)

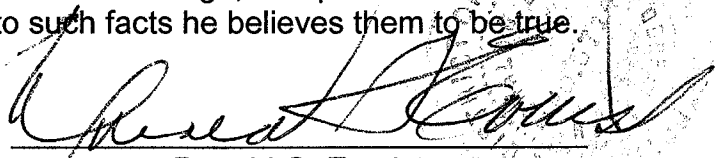
Donald G. Everist, being duly sworn upon his oath, deposes and states that:

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;

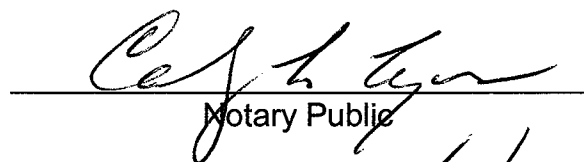
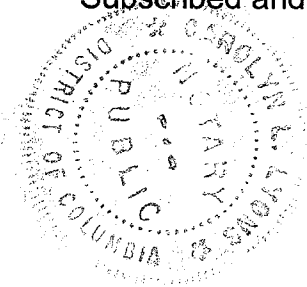
That the attached engineering report was prepared by him or under his supervision and direction and

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 3rd day of April, 2007.



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;

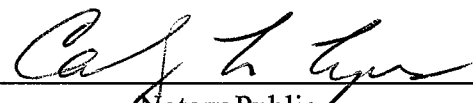
That the attached engineering report was prepared by him or under his supervision and direction and

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.



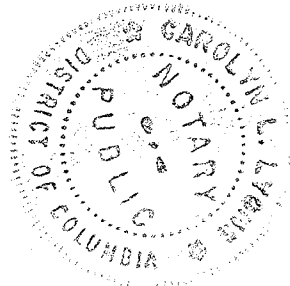
Martin R. Doczkat

Subscribed and sworn to before me this 3rd day of April, 2007.



Notary Public

My Commission Expires: 2/28/2008



This engineering statement has been prepared on behalf of Nexstar Broadcasting, Inc. ("Nexstar"), licensee of KTAL-TV, Texarkana, Texas. The purpose of this engineering statement is to accompany its request for license to cover its outstanding construction permit for digital television ("DTV") facilities (FCC File No. BMPCDT-20070125ABR) and to supplement those data required in FCC Form 301, Section III-D.

KTAL-TV operates on NTSC Television Channel 6 with a maximum visual horizontal effective radiated power ("ERP") of 100 kW non-directional (horizontal polarization) at a height above average terrain ("HAAT") of 482 meters. KTAL-DT has been allocated DTV Channel 15 with facilities of 1000 kW at a HAAT of 482 meters in the revised DTV Table of Allotments.¹ KTAL-DT has been authorized facilities of 1000 kW non-directional ERP (horizontal polarization) at a HAAT of 454.3 meters in its outstanding construction permit, and KTAL-DT herein requests a license to cover these constructed DTV facilities.

The DTV antenna is side-mounted on an existing tower having a total overall structure height above ground of 474.9 meters (1558 feet). The existing transmitter site is located on Old Atlanta Highway, Vivian, Louisiana.

The tower registration number of the existing tower is 1025912. The existing tower will remain unaltered, however, the overall structure height will be modified in the ASR data base to reflect the actual height of the tower upon FAA airspace approval.

¹"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.

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KTAL-DT, TEXARKANA, TEXAS

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The geographic coordinates of the existing site are:

North Latitude: 32° 54' 11"

West Longitude: 94° 00' 20"

NAD-27

Equipment Data

Antenna: Dielectric, Type TFU-32DSB-R O3 horizontally polarized antenna with 0.75° electrical beam tilt.

Power Data

Transmitter output	45.0 kW	16.53 dBk
Dielectric 6-1/8", 75 ohm or equivalent—length 456 meters (1496 ft)	69.5%	1.58 dB
Input power to the antenna	31.3 kW	14.95 dBk
Antenna power gain, Main Lobe	32	15.05 dB
Effective Radiated Power, Maximum	1000 kW	30 dBk

Elevation Data

Overall height above ground of the antenna structure (including beacon and lightning protection)	474.9 meters 1558 feet
Center of radiation of Channel 15 antenna above ground	435.9 meters 1430 feet
Elevation of site above mean sea level	90.2 meters 296 feet
Center of radiation of Channel 15 antenna above mean sea level	526.1 meters 1726 feet

Overall height above mean sea level of the tower (including beacon)	565.1 meters 1854 feet
Antenna height above average terrain	454.3 meters

NOTE: Slight height differences result due to conversion to metric.

Special Operation Condition

Nexstar acknowledges that the grant of this DTV license is subject to the special operating condition specified in the outstanding construction permit. Therefore, Nexstar certifies that it has made a good faith effort to identify and notify potentially affected health care facilities within the KTAL-DT service area authorized by the outstanding construction permit (FCC File No. BMPCDT-20070125ABR).

ABOVE MEAN SEA LEVEL

ABOVE GROUND

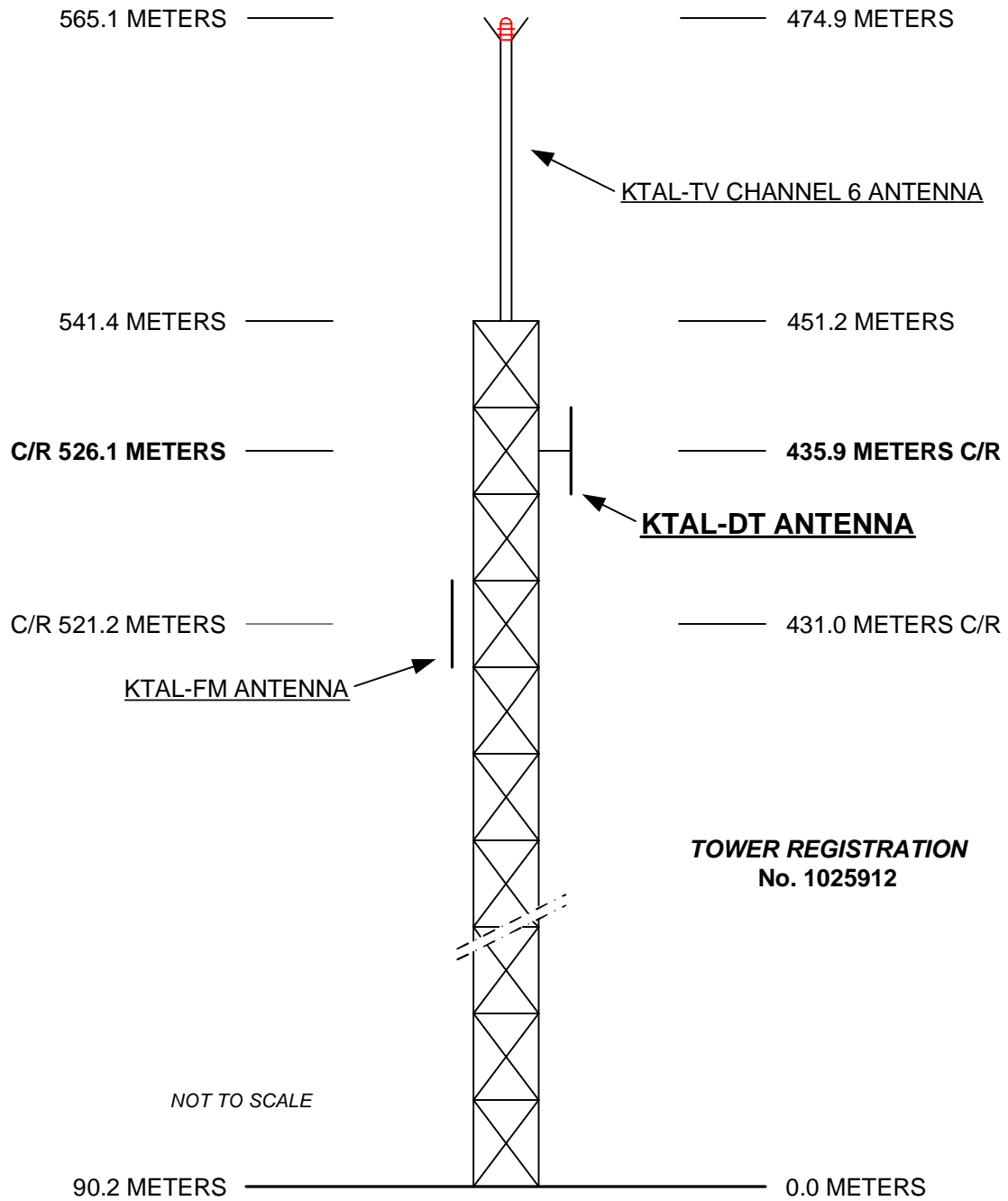


EXHIBIT E-1
VERTICAL SKETCH
FOR THE PROPOSED OPERATION OF
KTAL-DT, TEXARKANA, TEXAS

APRIL 2007

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	<div style="border: 1px solid black; padding: 2px;">See Explanation in Exhibit No.</div>
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	<div style="border: 1px solid black; padding: 2px;">See Explanation in Exhibit No.</div>
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	<div style="border: 1px solid black; padding: 2px;">See Explanation in Exhibit No.</div>
An exhibit may be required. Review the underlying construction permit.		<div style="border: 1px solid black; padding: 2px;">Exhibit No.</div>
7. Transmitter. The transmitter complies with 47 C.F.R. Section 73.1660.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<div style="border: 1px solid black; padding: 2px;">See Explanation in Exhibit No.</div>

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 Martin R. Doczkat		Relationship to Applicant (e.g., Consulting Engineer) Consulting Engineer	
Signature 		Date April 3, 2007	
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).