

ENGINEERING STATEMENT
REQUEST FOR LICENSE TO COVER
OUTSTANDING CONSTRUCTION PERMIT
(FCC FILE NO. BPCDT-20080317AEZ)
ON BEHALF OF
GRIFFIN TULSA LICENSING, L.L.C.
KOTV-DT, TULSA, OKLAHOMA
CHANNEL 45 840 KW ERP 556.2 METERS HAAT
JUNE 2009

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)

Ross J. Heide, being duly sworn upon his oath, deposes and states that:

He is a graduate of the Massachusetts Institute of Technology in Operations Research and Management Science, a Registered Professional Engineer in the District of Columbia, and employed by 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.

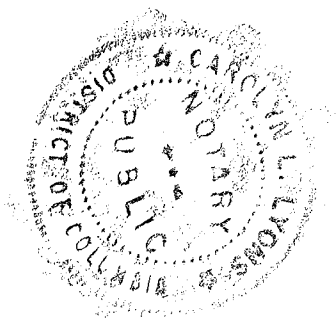

Ross J. Heide

Ross J. Heide
District of Columbia
Professional Engineer
Registration No. PE900748

Subscribed and sworn to before me this 24th day of June, 2009.

Carl E. Lyon
Notary Public

My Commission Expires: 2/28/2013



This engineering statement has been prepared in support of an application for license to cover on behalf of Griffin Tulsa I Licensing, L.L.C., licensee of KOTV-DT, Tulsa, Oklahoma ("KOTV"). The purpose of the application is to request a license to cover KOTV's outstanding construction permit (FCC File No. BPCDT-20080317AEZ).

KOTV-TV operated on NTSC television Channel 6 with a maximum visual ERP of 100 kW and a HAAT of 573 meters (1878 feet). KOTV-DT has been allocated DTV Channel 45 with facilities of 840 kW ERP non-directional and HAAT of 556.2 meters in the revised DTV Table of Allotments.¹ KOTV-DT has constructed DTV facilities of 840 kW non-directional ERP at the allotted height above average terrain of 556.2 meters in accordance with its construction permit.

The DTV antenna is located on the same tower as the former KOTV-DT transition Channel 55 operation. The KOTV DTV antenna is the lower of a two-tier stack top-mounted on the existing tower. The KOTV-DT antenna is located on the tower having a total overall structure height above ground of 560.5 meters (1839 feet). The existing transmitter site is located at 101st Street and 273rd Avenue in Oneta, Oklahoma. The antenna structure registration number of the existing tower is 1011355. The geographic coordinates of the site are as follows:

North Latitude: 36° 01' 15" NAD-27

West Longitude: 95° 40' 32"

¹"In the Matter of Third Periodic Review of the Commission's Rules and Policies Affecting the Conversion to Digital Television," MB Docket No. 07-91, Report & Order (FCC 07-228), Released December 31, 2007.

COHEN, DIPPELL AND EVERIST, P.C.

ENGINEERING STATEMENT
KOTV-DT, TULSA, OKLAHOMA

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Equipment Data

Antenna: Dielectric, TFU-30GBH-R O8 (or equivalent) with 0.75 degrees electrical beamtilt. The vertical plane pattern and other exhibits required by Section 73.625(c) are herein included as Exhibit E-3.

Transmission Line: 594 meters (1950 ft) of Dielectric, Type EIA/DCA, EHT, 6-1/8", 75 ohm (or equivalent)

Power Data

Transmitter output	54.9 kW	17.39 dBk
Combiner and Transmission line efficiency/loss	56.7%	-2.46 dB
Input power to the antenna	31.1 kW	14.93 dBk
Antenna power gain	27.0	14.31 dB
Effective Radiated Power	840 kW	29.24 dBk

Elevation Data

Vertical dimension for Channel 45 antenna without lightning protector	14.6 meters 48.0 feet
Overall height above ground of the existing antenna structure (including beacon and lightning rod)	560.5 meters 1839 feet
Center of radiation of Channel 45 antenna above ground	532.8 meters 1748.0 feet
Elevation of site above mean sea level	216.4 meters 710.0 feet
Center of radiation of Channel 45 antenna above mean sea level	749.2 meters 2458.0 feet

Overall height above mean sea level of existing tower and stacked antenna (including beacon)	776.9 meters 2549.0 feet
Antenna height above average terrain	556.2 meters

Note: Slight height differences may result due to conversion to metric.

Special Operation Condition

KOTV-DT acknowledges that the grant of this DTV license is subject to the special operation condition specified in the outstanding construction permit. Therefore, KOTV-DT certifies that it has made a good faith effort to identify and notify health care facilities (e.g., hospitals, nursing homes, see 47 CFR 15.242(a)(1)) within the KOTV-DT service area potentially affected by these authorized DTV operations. During this pre-broadcast period, KOTV-DT provided all notified entities with relevant technical details of its authorized operation of KOTV-DT, such as DTV channel, targeted on-air date, effective radiated power, antenna location, and antenna height. Documentation of the notifications and contacts made has been placed in the station's public inspection file. During this pre-broadcast period and for up to twenty (20) days after commencing operations, should KOTV-DT become aware of any instances of medical devices malfunctioning or that such that devices are likely to malfunction due to the KOTV-DT operations, it shall cooperate with the health care facility so that it is afforded a reasonable opportunity to resolve the interference problem.

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

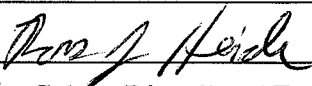
Exhibit No.

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 Ross J. Heide		Relationship to Applicant (e.g., Consulting Engineer) Consulting Engineer	
Signature 		Date June 24, 2009	
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).