

ENGINEERING STATEMENT
RE DTV BROADCAST ENGINEERING DATA
AMENDMENT TO
APPLICATION FOR CONSTRUCTION PERMIT
(FCC FILE NO. BPCDT-20051130ACJ)
ON BEHALF OF
INDEPENDENCE TELEVISION COMPANY
WDRB-DT, LOUISVILLE, KENTUCKY
CHANNEL 49 1000 KW MAX ERP 390.4 METERS HAAT
MARCH 2008

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)

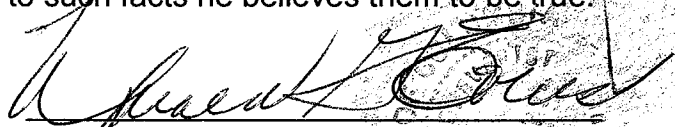
Donald G. Everist, being duly sworn upon his oath, deposes and states that:

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;

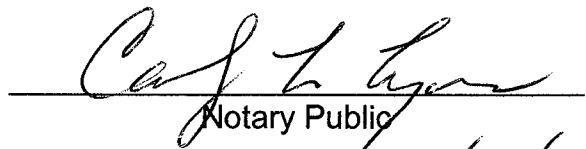
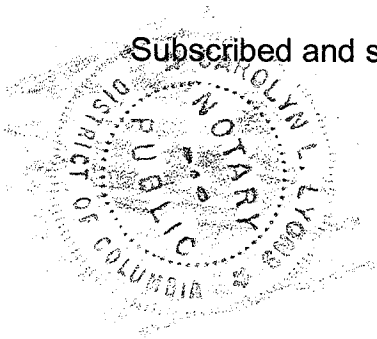
That the attached engineering report was prepared by him or under his supervision and direction and

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 14th day of Mar, 2008.


Notary Public

My Commission Expires: 2/28/2013

City of Washington)
) ss
District of Columbia)

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 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 14th day of March, 2008.

Carly L. Lyon
Notary Public

My Commission Expires: 2/28/2013



This engineering statement has been prepared in support of an application for outstanding construction permit on behalf of Independence Television Company, licensee of WDRB-DT, Louisville, Kentucky. The purpose of the application is to specify the identical directional azimuth pattern of the allotted Appendix B¹ facilities using 1000 kW directional effective radiated power (“ERP”) and to request expedited processing in accordance with the provisions of Paragraph 140 of the Third Periodic Review Report and Order.²

This application seeks to amend the current pending WDRB-DT application (FCC File No. BPCDT-20051130ACJ) which specifies DT Ch. 49 with an effective radiated power of 1000 kW directional with an HAAT of 390.4 meters. In Appendix B of the Memorandum Opinion and Order on Reconsideration of Seventh Report and Order and Eighth Report and Order the directional pattern, while very similar to that contained in the pending application, is not identical. To remove any ambiguity, this application seeks only to conform to the WDRB DT Ch. 49 1000 kW with an HAAT of 390.4 meters requested with the directional pattern specified in Appendix B of the Memorandum Opinion and Order on Reconsideration of the Seventh Report and Order and Eighth Report and Order. No other changes are requested.

¹“In the Matter of Advanced Television Systems and Their Impact Upon the Existing Television Broadcast Service”, MM Docket 87-268, Memorandum Opinion and Order on Reconsideration of the Seventh Report and Order and Eighth Report and Order (FCC 08-72) Appendix B, Released March 6, 2008.

²“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.

WDRB(TV) is licensed to operate on NTSC television Channel 41 with a maximum visual ERP of 5000 kW and an antenna height above average terrain (“HAAT”) of 390 meters (1280 feet). WDRB-DT has been allocated DTV Channel 49 with facilities of 1000 kW directional and HAAT of 390 meters in the revised DTV Table of Allotments.³ WDRB-DT proposes to construct DTV facilities of 1000 kW directional at a height above average terrain of 390 meters. WDRB-DT will be diplexed into the common antenna with WMYO-DT.

Expedited Processing

An allocation study from the proposed site has not been performed as the predicted F(50,90) 41 dBu contour of the proposed DTV facilities at the currently authorized site is exactly the same as the predicted F(50,90) 41 dBu contour of the WDRB-DT facility in the Appendix B. The purpose of requesting these proposed facilities is to meet the provisions of Paragraph 140 of the Third Periodic Review Report and Order.⁴ The proposed operation does not extend beyond the WDRB-DT facility in Appendix B and the proposed operation is predicted to serve exactly 100% of the population served by the WDRB-DT facility in Appendix B.

Allocation

An allocation study from the proposed site has not been performed as the predicted F(50,90) 41 dBu contour of the proposed DTV facilities at the currently authorized site will be identical to

³Ibid.

⁴Ibid.

the parameters listed in Appendix B of the Memorandum Opinion and Order on Reconsideration of the Seventh Report and Order and Eighth Report and Order (“Appendix B”).

There are no AM stations located within 3.2 km of the proposed WDRB-DT tower site. There are no FM and there is one full-service DTV facility, WMYO-DT, full-service DTV facility within 100 meters.

The DTV antenna will be top-mounted on the existing tower. The WDRB-DT common antenna will be located on an existing tower having a total overall structure height above ground of 304.8 meters (1000 feet). The existing transmitter site is located at 5257 South Skyline Drive, Floyds Knob, Indiana. The registration number for the tower is 1028421.

See there is no change in overall height, FAA airspace approval is not required.

Exhibit E-2 is a vertical sketch of the existing tower and the proposed transmitting antenna.

The geographic coordinates of the proposed site are as follows:

North Latitude: 38° 21' 00"

West Longitude: 85° 50' 57"

NAD-27

Equipment Data

Antenna:	Dielectric, Model TFU-32 DSB-R-DC5 (or equivalent) antenna with 0.75° electrical beam tilt. The vertical plane pattern and other exhibits required by Section 73.625(c) are herein included as Exhibit E-3.
Transmission Line:	325 meters (1065 ft) of Dielectric, Type EIA rigid TL, 8-3/16", 75 ohm or equivalent

Power Data

Transmitter output	27.1 kW	14.34 dBk
Combiner efficiency/loss		
Transmission line efficiency/loss	79.3%	1.01 dB
Input power to the antenna	21.5 kW	13.33 dBk
Antenna power gain, Main Lobe	46.5	16.67 dB
Effective Radiated Power, Maximum	1000 kW	30 dBk

Elevation Data
[(unchanged)]

Vertical dimension for Channel WDRB-DT common antenna	16.2 meters 53.1 feet
Overall height above ground of the existing antenna structure (including beacon and lightning rod)	304.8 meters 1000 feet
Center of radiation of Channel 49 antenna above ground	296 meters 971 feet
Elevation of site above mean sea level	292.9 meters 961 feet
Center of radiation of Channel 49 antenna above mean sea level	588.9 meters 1932 feet
Overall height above mean sea level of existing tower and stacked antenna (including beacon)	597.7 meters 1961 feet
Antenna height above average terrain	390.4 meters 1281 feet

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

Coverage

The average elevation data for 3.2 to 16.1 km along each radial are based upon the 3-second NGDC profile data and conforms very closely to the terrain information of that determined by using the 7.5 minute topographic maps on file at the Commission.

The F(50,90) DTV coverage contour has been computed every 10 degrees in azimuth from reference to the propagation data for Channels 14-69, as published by the FCC in Figure 10b and Figure 10c, Section 73.699 of the FCC Rules and Regulations.

Utilizing the formula in Section 73.625(b)(2) of the Rules for the effective heights, it is found that the depression angle, A_h , varies from 0.503 to 0.595 degrees. Since the relative vertical field is greater than 90% of the maximum at these depression angles, the maximum power was used in determining the distance to the DTV contour.

Table II includes the distances to the 48 and 41 dBu F(50,90) coverage contours, the average elevation 3.2 to 16.1 km, and the antenna height above average terrain for each of the 10 degree spaced radials. Exhibit E-4 provides the 48 and 41 dBu F(50,90) coverage contours and demonstrates that the community of license is covered by the F(50,90) 48 dBu contour.

Total Radiofrequency Field Levels at WDRB-DT Tower Site

The total percentage of radiofrequency field levels ("RFF") can be calculated by combining the percentage contribution of each station.

<u>Station</u>	<u>ERP</u> (kW)	<u>Frequency</u> (MHz)	<u>Ch</u>	<u>RCAG</u> <u>L</u> (m)	<u>Relative</u> <u>Field</u>	<u>S</u> ($\mu\text{W}/\text{cm}^2$)	<u>RFF</u> (%)
WMYO- DT Proposed	1000	695	51	296	0.15	8.7	1.9
WDRB- DT Proposed	1000	683	49	296	0.15	8.7	1.9

For DTV operation, WDRB-DT proposes to use a Dielectric, Type TFU-32DSB-R O4 TC or equivalent antenna. The elevation pattern for this antenna shows a maximum relative field of less than 0.15 towards the ground in the vicinity of the tower. Using this relative field factor and the procedures prescribed in OET Bulletin 65, the maximum RFF resulting from the proposed operation is less than $8.7 \mu\text{W}/\text{cm}^2$. This is less than 2.0% of the $455.3 \mu\text{W}/\text{cm}^2$ maximum human exposure to RFF recommended by the current FCC guidelines for the uncontrolled/general population.

The total contribution by the proposed WDRB-DT broadcast facilities and the addition of the proposed operation of WMYO-DT at 2 meters above ground level is less than 4.0% of the current FCC guidelines for uncontrolled/general population exposure.

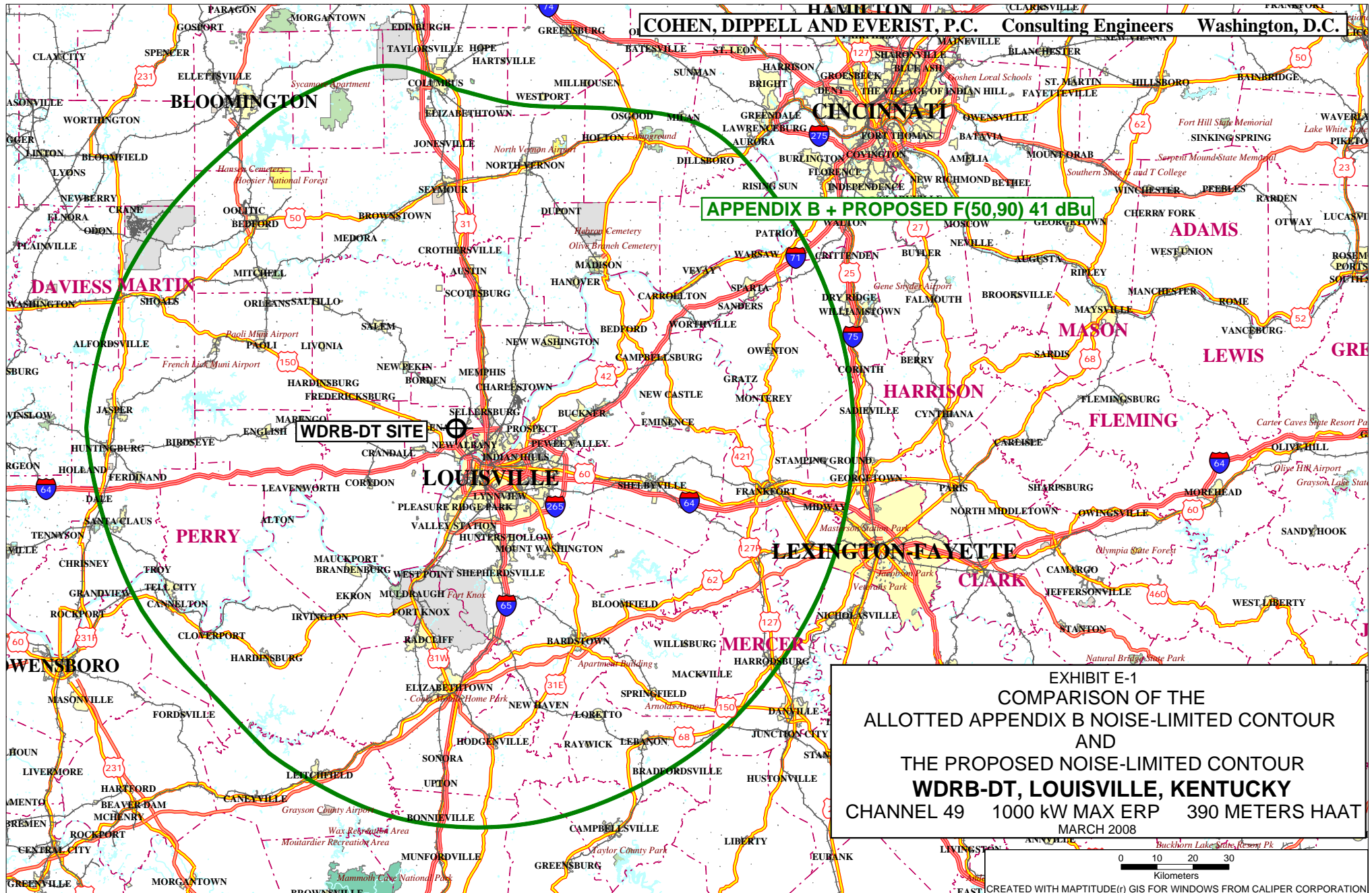
Authorized personnel and rigging contractors will be alerted to the potential zone of high field level on the tower, and if necessary, the station will operate with reduced power or terminate the operation of the transmitter as appropriate when it is necessary for authorized personnel or contractors to perform work on the tower. Workers and the general public, therefore, will not be subjected to RFF levels in excess of the current FCC guidelines.

Environmental Assessment

An environmental assessment ("EA") is categorically excluded under Section 1.1306 of the FCC Rules and Regulations as the tower was constructed prior to the requirements specified in WT Docket No. 03-128 and the licensee indicates:

- (a)(1) The existing tower is not located in an officially designated wilderness area.
- (a)(2) The existing tower is not located in an officially designated wildlife preserve.
- (a)(3) The proposed facilities will not affect any listed threatened or endangered species or habitats.
- (a)(3)(ii) The proposed facilities will not jeopardize the continued existence of any proposed endangered or threatened species or likely to result in the destruction or adverse modification of proposed critical habitats.
- (a)(4) The proposed facilities located on a tower which was built prior to the adoption of WT Docket No. 03-128 and is grandfathered and has not affected any known districts, sites, buildings, structures, or objects significant in American history, architecture, archaeology, engineering, or culture.
- (a)(5) The existing tower is not located near any known Indian religious sites.
- (a)(6) The existing tower is not located in a flood plain.
- (a)(7) The installation of the DTV facilities on an existing guyed tower will not involve a significant change in surface features of the ground in the vicinity of the tower.
- (a)(8) It is not proposed to equip the tower with high intensity white lights unless required by the FAA.

- (b) Workers and the general public will not be subjected to RFF levels in excess of the current FCC guidelines contained in OET Bulletin No. 65, Edition 97-01, dated August 1997 and Supplement A.



ABOVE GROUND

ABOVE MEAN SEA LEVEL

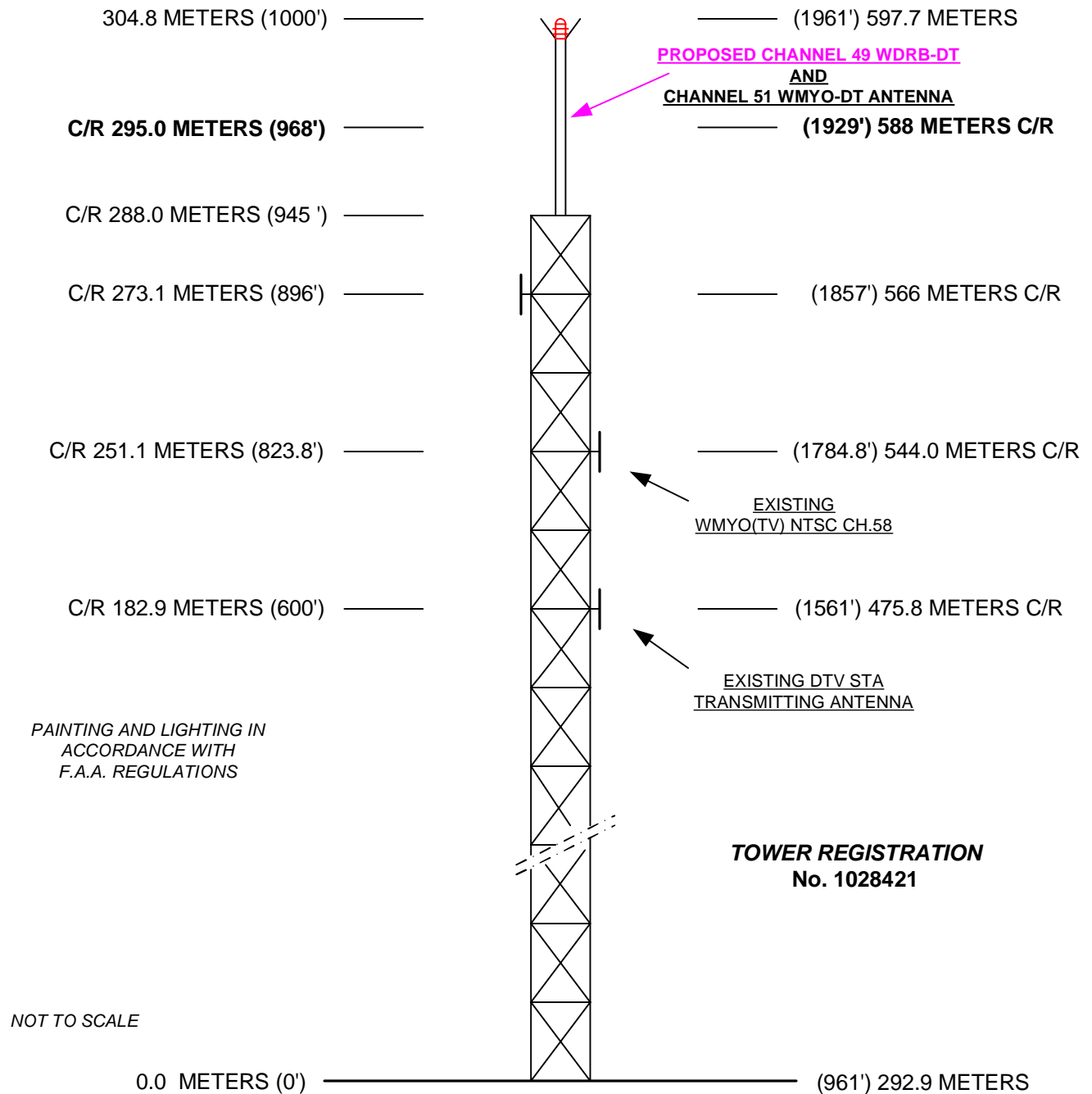


EXHIBIT E - 2
TOWER SKETCH
EXISTING TOWER
WDRB-DT, LOUISVILLE, KENTUCKY
MARCH 2008

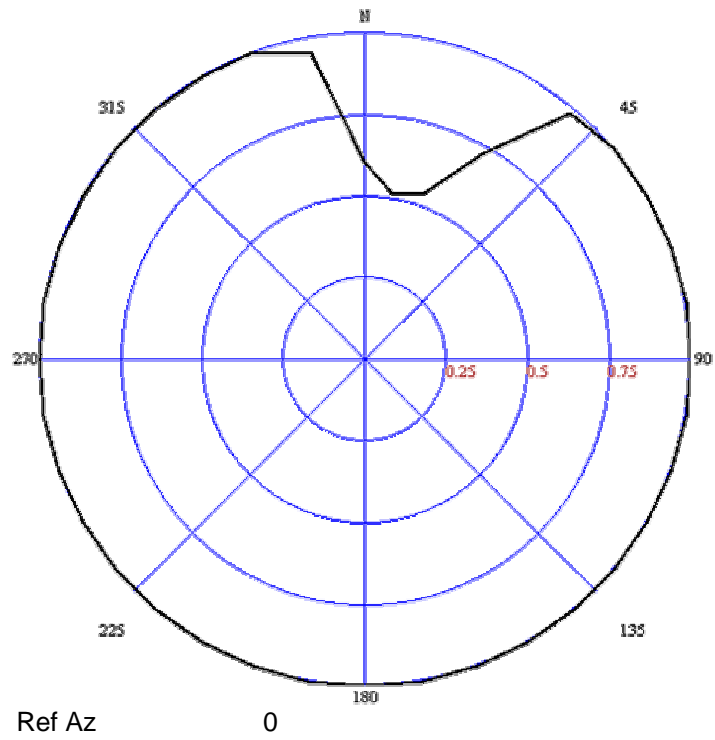
EXHIBIT E-3

ANTENNA MANUFACTURER DATA

WDRB-DT, LOUISVILLE, KENTUCKY

7th R&O: WDRB - Antenna ID: 29606

Azimuth	Field_Value
0	0.6
10	0.51
20	0.54
30	0.73
40	0.98
50	1
60	1
70	1
80	1
90	1
100	1
110	1
120	1
130	1
140	1
150	1
160	1
170	1
180	1
190	1
200	1
210	1
220	1
230	1
240	1
250	1
260	1
270	1
280	1
290	1
300	1
310	1
320	1
330	1
340	1
350	0.95



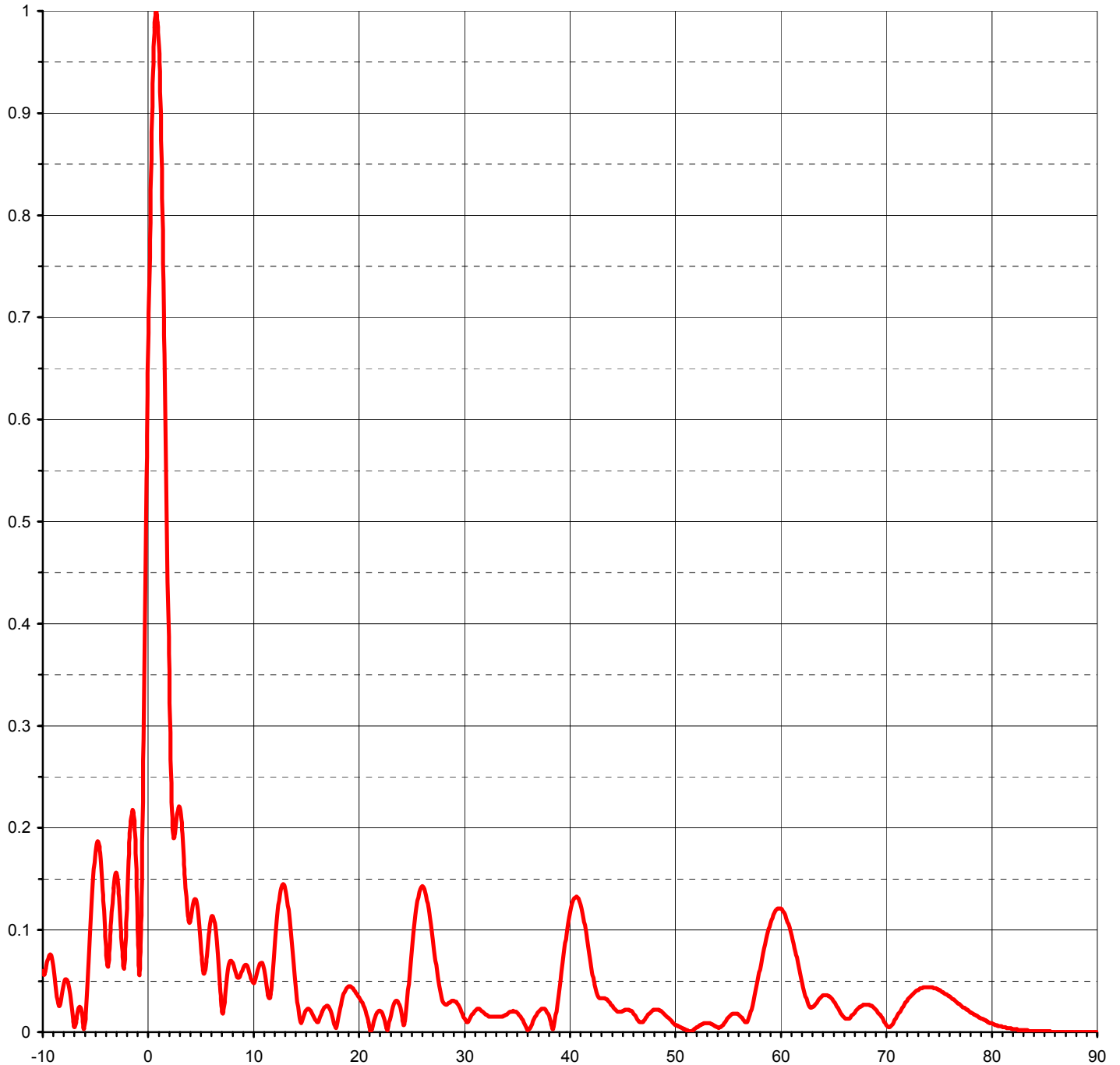


Proposal Number	DCA-10848	Revision:	3
Date	29-Jun-05		
Call Letters	WDRB-DT	Channel	49
Location	Louisville, KY		
Customer			
Antenna Type	TFU-32DSB-R-TC-S		

ELEVATION PATTERN

RMS Gain at Main Lobe	31.00 (14.91 dB)
RMS Gain at Horizontal	13.70 (11.37 dB)
Calculated / Measured	Calculated

Beam Tilt	0.75 deg
Frequency	683.00 MHz
Drawing #	32B310075-90-49



Degrees Below Horizontal



Proposal Number **DCA-10848** Revision: **3**
 Date **29-Jun-05**
 Call Letters **WDRB-DT** Channel **49**
 Location **Louisville, KY**
 Customer
 Antenna Type **TFU-32DSB-R-TC-S**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **32B310075-90-49**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.060	2.4	0.190	10.6	0.064	30.5	0.011	51.0	0.003	71.5	0.024
-9.5	0.072	2.6	0.199	10.8	0.068	31.0	0.020	51.5	0.000	72.0	0.031
-9.0	0.065	2.8	0.217	11.0	0.065	31.5	0.023	52.0	0.004	72.5	0.037
-8.5	0.026	3.0	0.219	11.5	0.035	32.0	0.018	52.5	0.007	73.0	0.041
-8.0	0.047	3.2	0.202	12.0	0.071	32.5	0.015	53.0	0.009	73.5	0.044
-7.5	0.043	3.4	0.169	12.5	0.129	33.0	0.015	53.5	0.008	74.0	0.044
-7.0	0.005	3.6	0.133	13.0	0.144	33.5	0.015	54.0	0.005	74.5	0.043
-6.5	0.025	3.8	0.110	13.5	0.111	34.0	0.017	54.5	0.006	75.0	0.041
-6.0	0.010	4.0	0.109	14.0	0.055	34.5	0.020	55.0	0.013	75.5	0.038
-5.5	0.100	4.2	0.122	14.5	0.011	35.0	0.020	55.5	0.018	76.0	0.035
-5.0	0.177	4.4	0.130	15.0	0.020	35.5	0.013	56.0	0.018	76.5	0.031
-4.5	0.170	4.6	0.126	15.5	0.021	36.0	0.004	56.5	0.012	77.0	0.027
-4.0	0.079	4.8	0.109	16.0	0.011	36.5	0.008	57.0	0.012	77.5	0.023
-3.5	0.109	5.0	0.084	16.5	0.017	37.0	0.018	57.5	0.031	78.0	0.019
-3.0	0.156	5.2	0.062	17.0	0.026	37.5	0.023	58.0	0.056	78.5	0.016
-2.8	0.139	5.4	0.061	17.5	0.018	38.0	0.018	58.5	0.082	79.0	0.013
-2.6	0.104	5.6	0.080	18.0	0.008	38.5	0.003	59.0	0.103	79.5	0.011
-2.4	0.067	5.8	0.101	18.5	0.032	39.0	0.035	59.5	0.117	80.0	0.009
-2.2	0.076	6.0	0.113	19.0	0.044	39.5	0.076	60.0	0.121	80.5	0.007
-2.0	0.128	6.2	0.112	19.5	0.043	40.0	0.112	60.5	0.115	81.0	0.005
-1.8	0.180	6.4	0.099	20.0	0.035	40.5	0.131	61.0	0.099	81.5	0.004
-1.6	0.212	6.6	0.076	20.5	0.026	41.0	0.128	61.5	0.078	82.0	0.003
-1.4	0.215	6.8	0.047	21.0	0.010	41.5	0.105	62.0	0.053	82.5	0.002
-1.2	0.182	7.0	0.021	21.5	0.011	42.0	0.072	62.5	0.033	83.0	0.002
-1.0	0.113	7.2	0.027	22.0	0.021	42.5	0.043	63.0	0.024	83.5	0.001
-0.8	0.056	7.4	0.048	22.5	0.012	43.0	0.033	63.5	0.029	84.0	0.001
-0.6	0.167	7.6	0.064	23.0	0.012	43.5	0.032	64.0	0.035	84.5	0.001
-0.4	0.328	7.8	0.070	23.5	0.030	44.0	0.027	64.5	0.035	85.0	0.001
-0.2	0.499	8.0	0.068	24.0	0.024	44.5	0.021	65.0	0.030	85.5	0.001
0.0	0.665	8.2	0.061	24.5	0.015	45.0	0.020	65.5	0.022	86.0	0.000
0.2	0.809	8.4	0.054	25.0	0.070	45.5	0.022	66.0	0.014	86.5	0.000
0.4	0.918	8.6	0.053	25.5	0.119	46.0	0.020	66.5	0.013	87.0	0.000
0.6	0.984	8.8	0.057	26.0	0.142	46.5	0.012	67.0	0.019	87.5	0.000
0.8	1.000	9.0	0.063	26.5	0.132	47.0	0.010	67.5	0.025	88.0	0.000
1.0	0.966	9.2	0.066	27.0	0.098	47.5	0.017	68.0	0.027	88.5	0.000
1.2	0.886	9.4	0.065	27.5	0.058	48.0	0.022	68.5	0.026	89.0	0.000
1.4	0.769	9.6	0.058	28.0	0.031	48.5	0.022	69.0	0.022	89.5	0.000
1.6	0.627	9.8	0.055	28.5	0.028	49.0	0.018	69.5	0.015	90.0	0.000
1.8	0.478	10.0	0.049	29.0	0.031	49.5	0.013	70.0	0.007		
2.0	0.338	10.2	0.050	29.5	0.027	50.0	0.008	70.5	0.007		
2.2	0.234	10.4	0.057	30.0	0.015	50.5	0.005	71.0	0.015		

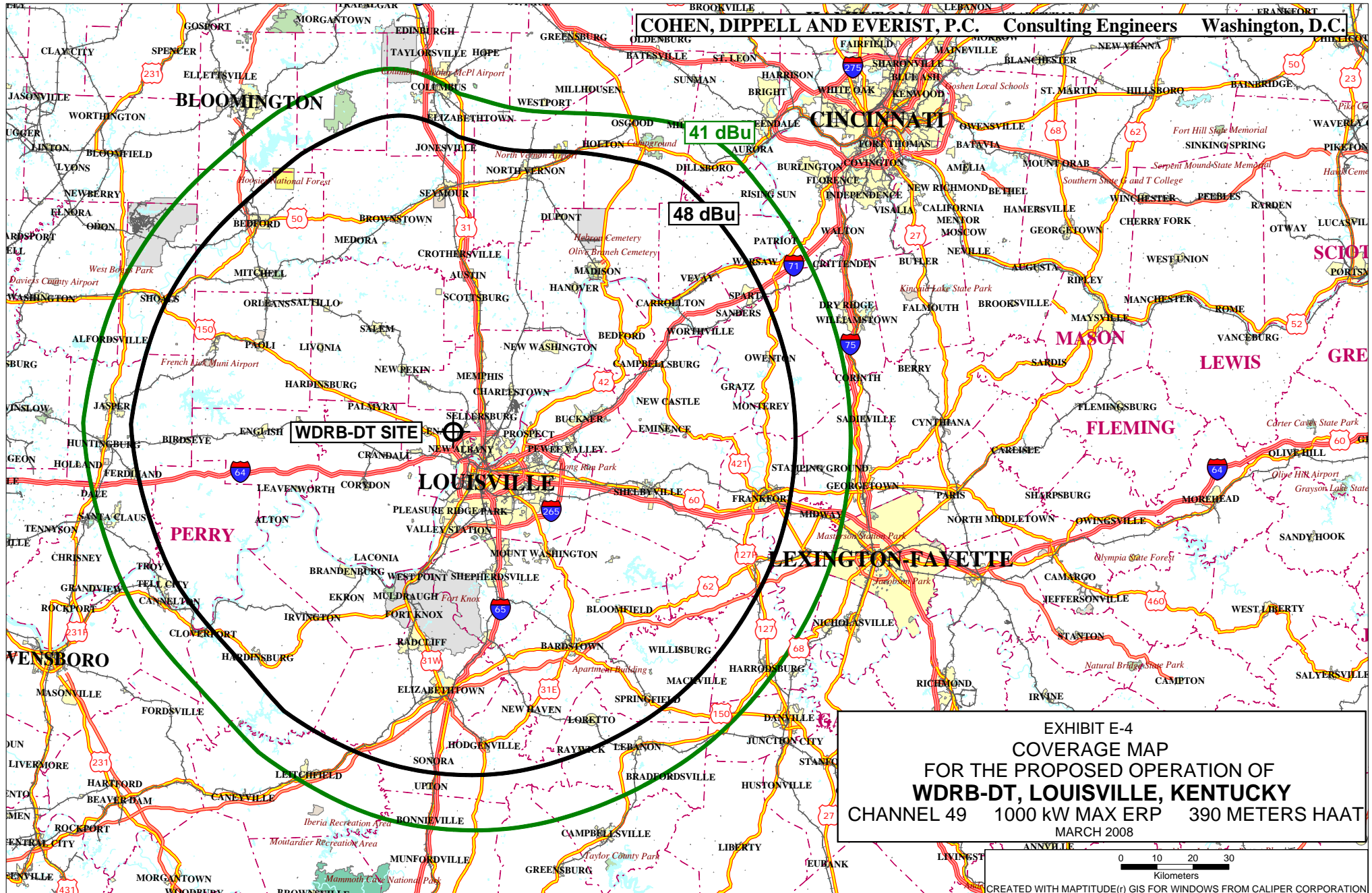


TABLE I
COMPUTED COVERAGE DATA
FOR THE PROPOSED DTV OPERATION OF
WDRB, LOUISVILLE, KENTUCKY
CHANNEL 49 1000 KW ERP 390 METERS HAAT
MARCH 2008

<u>Radial</u> N ° E, T	<u>Average*</u>	<u>Effective</u>	<u>Depression</u>	<u>ERP</u> kW	<u>Distance to Contour</u>	
	<u>Elevation</u> meters	<u>Height</u> meters	<u>Angle</u> degrees		<u>48 dBu</u> km	<u>41 dBu</u> km
0	231.8	357.1	0.523	360.0	81.8	93.8
10	230.7	358.2	0.524	260.1	79.8	91.3
20	194.4	394.5	0.550	291.6	83.3	94.7
30	172.8	416.1	0.565	532.9	88.5	101.4
40	158.7	430.2	0.575	960.4	93.6	108.5
50	154.3	434.6	0.577	1000.0	94.2	109.3
60	150.5	438.4	0.580	1000.0	94.4	109.6
70	149.3	439.6	0.581	1000.0	94.5	109.7
80	145.4	443.5	0.583	1000.0	94.8	110.0
90	142.2	446.7	0.585	1000.0	95.0	110.3
100	139.6	449.3	0.587	1000.0	95.2	110.5
110	135.9	453.0	0.590	1000.0	95.4	110.8
120	135.9	453.0	0.590	1000.0	95.4	110.8
130	132.3	456.6	0.592	1000.0	95.7	111.1
140	127.9	461.0	0.595	1000.0	96.0	111.5
150	129.2	459.7	0.594	1000.0	95.9	111.4
160	129.3	459.6	0.594	1000.0	95.9	111.4
170	129.9	459.0	0.593	1000.0	95.9	111.3
180	140.6	448.3	0.586	1000.0	95.2	110.4
190	157.5	431.4	0.575	1000.0	93.9	109.0
200	187.0	401.9	0.555	1000.0	92.2	106.3
210	212.5	376.4	0.537	1000.0	90.7	104.1
220	252.3	336.6	0.508	1000.0	87.2	100.6
230	257.3	331.6	0.504	1000.0	86.7	100.2
240	248.8	340.1	0.511	1000.0	87.6	101.0
250	248.7	340.2	0.511	1000.0	87.6	101.0
260	241.1	347.8	0.517	1000.0	88.3	101.7
270	226.3	362.6	0.527	1000.0	89.7	102.9
280	240.5	348.4	0.517	1000.0	88.4	101.7

COHEN, DIPPELL AND EVERIST, P.C.

TABLE I
COMPUTED COVERAGE DATA
FOR PROPOSED OPERATION OF
WDRB, LOUISVILLE, KENTUCKY
CHANNEL 49 1000 KW ERP 390 METERS HAAT
MARCH 2008
(continued)

<u>Radial</u> N ° E, T	<u>Average*</u> <u>Elevation</u>	<u>Effective</u> <u>Height</u>	<u>Depression</u> <u>Angle</u>	<u>ERP</u> kW	<u>Distance to Contour</u>	
	meters	meters	degrees		<u>48 dBu</u> km	<u>41 dBu</u> km
290	244.6	344.3	0.514	1000.0	88.0	101.3
300	251.4	337.5	0.509	1000.0	87.3	100.7
310	257.4	331.5	0.504	1000.0	86.6	100.2
320	259.1	329.8	0.503	1000.0	86.5	100.0
330	244.0	344.9	0.514	1000.0	88.1	101.4
340	234.6	354.3	0.521	1000.0	88.9	102.2
350	227.2	361.7	0.527	902.5	88.8	101.9

*Based on data from FCC 3-second data base.

DTV Channel 49 (680-686 MHz)
Average Elevation 3.2 to 16.1 km 192.3 meters AMSL
Center of Radiation 588.9 meters AMSL
Antenna Height Above Average Terrain 396.6 meters
Effective Radiated Power 1000 kW (30 dBk) Max

North Latitude: 38° 21' 00"
West Longitude: 85° 50' 57"

(NAD-27)

SECTION III - D - DTV Engineering

Complete Questions 1-5, and provide all data and information for the proposed facility, as requested in Technical Specifications, Items 1-13.

Pre-Transition Certification Checklist: An application concerning a pre-transition channel must complete questions 1(a)-(c), and 2-5. A correct answer of "Yes" to all of the questions will ensure an expeditious grant of a construction pen-nit application to modify pre-transition facilities. However, if the proposed facility is located within the Canadian or Mexican borders, coordination of the proposal under the appropriate treaties may be required prior to grant of the application. An answer of "No" will require additional evaluation of the applicable information in this form before a construction permit can be granted.

Post-Transition Expedited Processing. An application concerning a post-transition channel must complete questions 1(a), (d)-(e), and 2-5. A station applying for a construction permit to build its post-transition channel will receive expedited processing if its application (1) does not seek to expand the noise-limited service contour in any direction beyond that established by Appendix B of the Seventh Report and Order in MB Docket No. 87-268 establishing the new DTV Table of Allotments in 47 C.F.R. § 73.622(i) ("new DTV Table Appendix B"); (2) specifies facilities that match or closely approximate those defined in the new DTV Table Appendix B facilities; and (3) is filed within 45 days of the effective date of Section 73.616 of the rules adopted in the Report and Order in the Third DTV Periodic Review proceeding, MB Docket No. 07-91.

1. The proposed DTV facility complies with 47 C.F.R. Section 73.622 in the following respects:
 - (a) It will operate on the DTV channel for this station as established in 47 C.F.R. Section 73.622. ☐ Yes ☐ No
 - (b) It will operate a pre-transition facility from a transmitting antenna located within 5.0 km (3.1 miles) of the DTV reference site for this station as established in 47 C.F.R. Section 73.622. ☐ Yes ☐ No
 - (c) It will operate a pre-transition facility with an effective radiated power (ERP) and antenna height above average terrain (HAAT) that do not exceed the DTV reference ERP and HAAT for this station as established in 47 C.F.R. Section 73.622. ☐ Yes ☐ No
 - (d) It will operate at post-transition facilities that do not expand the noise-limited service contour in any direction beyond that established by Appendix B of the Seventh Report and Order in MB Docket No. 87-268 establishing the new DTV Table of Allotments in 47 C.F.R. § 73.622(i) ("new DTV Table Appendix B"). ☐ Yes ☐ No
☐ N/A
 - (e) It will operate at post-transition facilities that match or reduce by no more than five percent with respect to predicted population from those defined in the new DTV Table Appendix B. ☐ Yes ☐ No
☐ N/A
2. The proposed facility will not have a significant environmental impact, including exposure of workers or the general public to levels of RIF radiation exceeding the applicable health and safety guidelines, and therefore will not come within 47 C.F.R. Section 1.1307. ☐ Yes ☐ No

Applicant must **submit the Exhibit** called for in Item 13.

3. Pursuant to 47 C.F.R. Section 73.625, the DTV coverage contour of the proposed facility will encompass the allotted principal community. ☐ Yes ☐ No
4. The requirements of 47 C.F.R. Section 73.1030 regarding notification to radio astronomy installations, radio receiving installations and FCC monitoring stations have either been satisfied or are not applicable. ☐ Yes ☐ No
5. The antenna structure to be used by this facility has been registered by the Commission and will not require reregistration to support the proposed antenna, OR the FAA has previously determined that the proposed structure will not adversely effect safety in air navigation and this structure qualifies for later registration under the Commission's phased registration plan, OR the proposed installation on this structure does not require notification to the FAA pursuant to 47 C.F.R. Section 17.7. ☐ Yes ☐ No

SECTION III - D DTV 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 Number: DTV _____ Analog TV, if any _____
2. Zone: ☐ I ☐ II ☐ III
3. Antenna Location Coordinates: (NAD 27)
- _____ ° _____ ' _____ " ☐ N ☐ S Latitude
_____ ° _____ ' _____ " ☐ E ☐ W Longitude
4. Antenna Structure Registration Number: _____
- ☐ Not applicable ☐ FAA Notification Filed with FAA
5. Antenna Location Site Elevation Above Mean Sea Level: _____ meters
6. Overall Tower Height Above Ground Level: _____ meters
7. Height of Radiation Center Above Ground Level: _____ meters
8. Height of Radiation Center Above Average Terrain: _____ meters
9. Maximum Effective Radiated Power (average power): _____ kW
10. Antenna Specifications:
- a.

Manufacturer	Model
--------------	-------
- b. Electrical Beam Tilt: _____ degrees ☐ Not Applicable
- c. Mechanical Beam Tilt: _____ degrees toward azimuth _____ degrees True ☐ Not Applicable
- Attach as an Exhibit all data specified in 47 C.F.R. Section 73.625(c).

Exhibit No.

- d. Polarization: ☐ Horizontal ☐ Circular ☐ Elliptical

TECH BOX

e. Directional Antenna Relative Field Values:

☐

Not applicable (Nondirectional)

Rotation: _____

☐

No rotation

Degree	Value	Degree	Value	Degree	Value	Degree	Value	Degree	Value	Degree	Value
0		60		120		180		240		300	
10		70		130		190		250		310	
20		80		140		200		260		320	
30		90		150		210		270		330	
40		100		160		220		280		340	
50		110		170		230		290		350	
Additional Azimuths											

If a directional antenna is proposed, the requirements of 47 C.F.R. Section 73.625(c) must be satisfied. **Exhibit required.**

Exhibit No.

11. Does the proposed facility satisfy the pre-transition interference protection provisions of 47 C.F.R. Section 73.623(a) (Applicable only if **Certification Checklist** Items 1(a), (b), or (c) are answered "No.") and/or the post-transition interference protection provisions of 47 C.F.R. Section 73.616?

☐

Yes

☐

No

If "No," attach as an Exhibit justification therefore, including a summary of any related previously granted waivers.

Exhibit No.

12. If the proposed facility will not satisfy the coverage requirement of 47 C.F.R. Section 73.625, attach as an Exhibit justification therefore. (Applicable only if **Certification Checklist** Item 3 is answered "No.")

Exhibit No.

13. **Environmental Protection Act. Submit in an Exhibit** the following:

Exhibit No.

- a. If **Certification Checklist Item 2** is answered "Yes," a brief explanation of why an Environmental Assessment is not required. Also describe in the Exhibit the steps that will be taken to limit RF radiation exposure to the public and to persons authorized access to the tower site.

By checking "Yes" to **Certification Checklist** Item 2, 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 radio frequency electromagnetic exposure in excess of FCC guidelines.

If **Certification Checklist** Item 2 is answered "No," an Environmental Assessment as required by 47 C.F.R. Section 1.1311.

PREPARER'S CERTIFICATION IN SECTION III MUST BE COMPLETED AND SIGNED.

13. **Petition for Rulemaking/Counterproposal to Add New FM Channel to FM Table of Allotments.** If the application is being submitted concurrently with a Petition for Rulemaking or Counterproposal to Amend the FM Table of Allotments (47 C.F.R. Section 73.202) to add a new FM channel allotment, petitioner/counter-proponent certifies that, if the FM channel allotment requested is allotted, petitioner/counter-proponent will apply to participate in the auction of the channel allotment requested and specified in this application.

☐ Yes ☐ No ☐ N/A

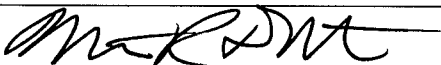
I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in 'good faith. I acknowledge that all certifications and attached Exhibits are considered material representations. I hereby waive any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and request an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

Typed or Printed Name of Person Signing	Typed or Printed Title of Person Signing
Signature	Date

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).

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 March 14, 2008	
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	

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