

ENGINEERING STATEMENT
RE DTV BROADCAST ENGINEERING DATA
APPLICATION FOR CONSTRUCTION PERMIT
WDRB-DT, LOUISVILLE, KENTUCKY
CHANNEL 49 1000 KW DIRECTIONAL ERP 390.4 METERS

NOVEMBER 2005

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

COHEN, DIPPELL AND EVERIST, P. C.

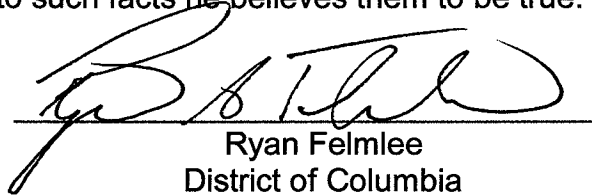
City of Washington)
) ss
District of Columbia)

Ryan Felmlee, being duly sworn upon his oath, deposes and states that:

He is a graduate electrical engineer of the Pennsylvania State University, has successfully completed the Engineer-In-Training examination ("EIT") in the State of Virginia, and is a staff engineer 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;

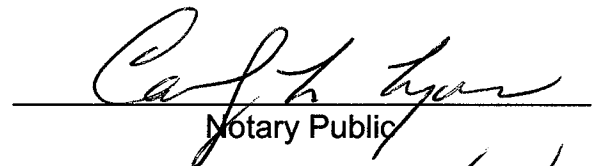
That the attached engineering report was prepared by him or under his supervision and direction and

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.



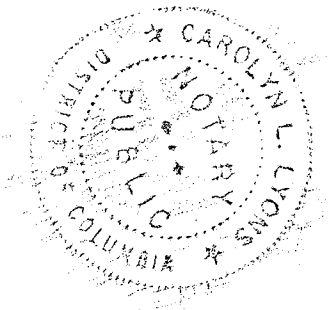
Ryan Felmlee
District of Columbia

Subscribed and sworn to before me this 23rd day of November, 2005.



Notary Public

My Commission Expires: 2/28/2008



This engineering statement has been prepared on behalf of Independence Television Company, licensee of WDRB-TV, Louisville, Kentucky, and accompanies the request for construction permit to specify the post-transition DTV operating parameters as proposed by WDRB-DT.

WDRB-TV operates on NTSC Television Channel 41 with a maximum effective radiated power (“ERP”) of 5,000 kW non-directional and a height above average terrain (“HAAT”) of 391 meters (1282.8 feet). WDRB-TV has been allocated channel 49 for DTV operation in the revised DTV Table of Allotments¹ and has certified to operate post-transition DTV facilities (FCC File No. BPCDT-19991101AFN) with 1000 kW directional ERP at 390.4 meters HAAT.

There are no AM stations located within 3.22 km of the existing WDRB-DT tower site and there are no FM stations within 1 km. There are three full-service NTSC stations and two additional DTV stations located within 1 km of the WDRB-DT transmitting site.

The DTV antenna will be top-mounted 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 S Skyline Dr, Floyds Knob, Indiana.

At the end of the transition, it is planned to remove the existing WDRB(TV) NTSC top-mounted antenna and replace it with the Dielectric Model No. TFU-32 DSB-R-DC-S antenna, thereby permitting WFTE-DT and WDRB-DT to operate at the height certified on the FCC form 381.

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.

Since there is no change in overall height, FAA airspace approval is not required. The antenna structure registration number of the existing tower is 1028421. Exhibit E-1 is a diagram of the tower and transmitting antenna.

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, Special (or equivalent) horizontally polarized 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-2.

Power Data

Transmitter output	27.10 kW	14.33 dBk
EHT 7" or	79.5%	1.00 dB
equivalent-length 274.3		
meters (900 ft)		
Input power to the antenna	21.5 kW	13.33 dBk
Antenna power gain,	46.5	16.67 dB
Main Lobe		
Effective Radiated Power,	1000 kW	30 dBk
Maximum		

Elevation Data

Vertical dimension of Channel 49	16.2 meters
top-mounted antenna	53.1 feet
Overall height above ground of the	304.8 meters

existing antenna structure (including beacon and lightning protection)	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 (including beacon)	597.7 meters 1961 feet
Antenna height above average terrain	390.4 meters 1281 feet

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

Allocation

An allocation spacing study from the proposed site has not been performed as the proposed DTV facilities are to be located at the coordinates authorized for the WDRB-DT facilities in the Sixth Report and the predicted 41 dBu contour is slightly less than that authorized by the construction permit (FCC File No BPCDT-19991101AFN) certified in FCC Form 381.

Coverage

The average elevation data for 3.2 to 16.1 km along each radial has been determined from the NGDC 3-second computerized terrain database. The F(50,90) DTV coverage contours have been computed 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.

Table I includes the distances to the F(50,90) 48 and 41 dBu coverage contours, the average elevation 3.2 to 16.1 km, and the antenna height above average terrain for the each radial spaced 10 degrees in azimuth. Exhibit E-3 provides a map of the coverage.

Other Licensed and Broadcast Facilities

No adverse technical effect is anticipated by the proposed DTV operation to any other FCC licensed facility. If required, the permittee will install filters or take other measures as necessary to resolve the problem.

Population

Based on the 2000 census data, the 1000 kW proposed construction permit will serve 1,679,612 persons. The facilities authorized by the outstanding construction permit (FCC File No BPCDT-19991101AFN) certified in FCC Form 381 are predicted to serve 1,835,945 persons.

The area served by the proposed facilities in the construction permit requested herein are greater than that allotted to WDRB-DT in MM Docket No. 87-268.

FCC Rule, Section 1.1307

The proposed operation based upon the current OET Bulletin No. 65, Edition No. 97-01, dated August 1997 and Supplement A meets the provisions of the FCC radio frequency field ("RFF") guidelines, and thus, complies with Section 1.1307 of the FCC Rules. Provisions will be

made to reduce power or to terminate the transmitter emissions, as appropriate, when it is necessary for authorized personnel to be on the tower.

The radio frequency field analysis of the existing site relative to the post-transition operation is calculated in the following table:

<u>Station</u>	<u>ERP</u> (kW)	<u>Frequency</u> (MHz)	<u>Ch</u>	<u>RCAGL</u> (m)	<u>Relative Field</u>	<u>S</u> ($\mu\text{W}/\text{cm}^2$)	<u>RFF</u> (%)
WFTE-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 WFTE-DT broadcast facilities and the addition of the proposed operation of WDRB-DT at 2 meters above ground level is less than 3.8% of the current FCC guidelines for uncontrolled/general population exposure.

Authorized personnel and rigging contractors will be alerted to the potential zone of high radiation 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.

An environmental assessment ("EA") is categorically excluded under Section 1.1306 of the FCC Rules and Regulations since the permittee indicates:

- (a)(1) The proposed facilities on an existing tower are not located in an officially designated wilderness area.
- (a)(2) The proposed facilities on an existing tower are 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 will not affect any known districts, sites, buildings, structures, or objects significant in American history, architecture, archaeology, engineering, or culture.
- (a)(5) The proposed facilities are not located near any known Indian religious sites.
- (a)(6) The proposed facilities are not located in a flood plain.
- (a)(7) The operation of the DTV facilities on the 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 in accordance with OET Bulletin No. 65, Edition 97-01, dated August 1997 and Supplement A. A security fence with a locked gate prevents unauthorized access to the tower site.

TABLE I
COVERAGE DATA
FOR THE PROPOSED OPERATION OF
WDRB-DT, LOUISVILLE, KENTUCKY
CHANNEL 49 1000 KW DA ERP 390.4 METERS
NOVEMBER 2005

<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	357.2	0.524	360.0	81.8	93.8
10	230.7	358.3	0.524	230.4	78.9	90.4
20	194.4	394.6	0.550	202.5	80.9	91.9
30	172.8	416.2	0.565	302.5	84.7	96.3
40	158.7	430.3	0.575	409.6	87.4	100.1
50	154.3	434.7	0.578	409.6	87.6	100.4
60	150.5	438.5	0.580	302.5	85.8	97.9
70	149.3	439.7	0.581	160.0	81.7	92.8
80	145.4	443.6	0.583	78.4	77.5	87.8
90	142.2	446.8	0.586	93.0	78.7	89.2
100	139.6	449.4	0.587	176.4	82.8	94.2
110	135.9	453.1	0.590	372.1	87.9	101.0
120	135.9	453.1	0.590	624.1	91.7	106.0
130	132.3	456.7	0.592	774.4	93.6	108.5
140	127.9	461.1	0.595	810.0	94.3	109.3
150	129.2	459.8	0.594	828.1	94.4	109.5
160	129.3	459.7	0.594	846.4	94.5	109.7
170	129.9	459.1	0.593	864.9	94.7	109.8
180	140.6	448.4	0.587	883.6	94.1	109.2
190	157.5	431.5	0.575	902.5	93.2	107.9
200	187.0	402.0	0.555	921.6	91.6	105.5
210	212.5	376.5	0.537	940.9	90.2	103.5
220	252.3	336.7	0.508	950.6	86.8	100.2
230	257.3	331.7	0.505	960.4	86.4	99.8
240	248.8	340.2	0.511	960.4	87.3	100.6
250	248.7	340.3	0.511	970.2	87.3	100.7
260	241.1	347.9	0.517	980.1	88.2	101.5
270	226.3	362.7	0.528	970.2	89.4	102.7
280	240.5	348.5	0.517	960.4	88.1	101.4

TABLE I
COVERAGE DATA
FOR THE PROPOSED OPERATION OF
WDRB-DT, LOUISVILLE, KENTUCKY
CHANNEL 49 1000 KW DA ERP 390.4 METERS
NOVEMBER 2005
 (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	344.4	0.514	960.4	87.7	101.0
300	251.4	337.6	0.509	960.4	87.0	100.4
310	257.4	331.6	0.504	960.4	86.3	99.8
320	259.1	329.9	0.503	960.4	86.2	99.6
330	244.0	345.0	0.514	846.4	86.8	100.0
340	234.6	354.4	0.521	688.9	86.2	99.0
350	227.2	361.8	0.527	518.4	84.8	97.2

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

DTV Channel 49 (680-686 MHz)
 Center of Radiation 588.9 meters AMSL
 Antenna Height Above Average Terrain 390.4 meters
 Effective Radiated Power 1000 kW (30 dBk) Max

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

(NAD-27)

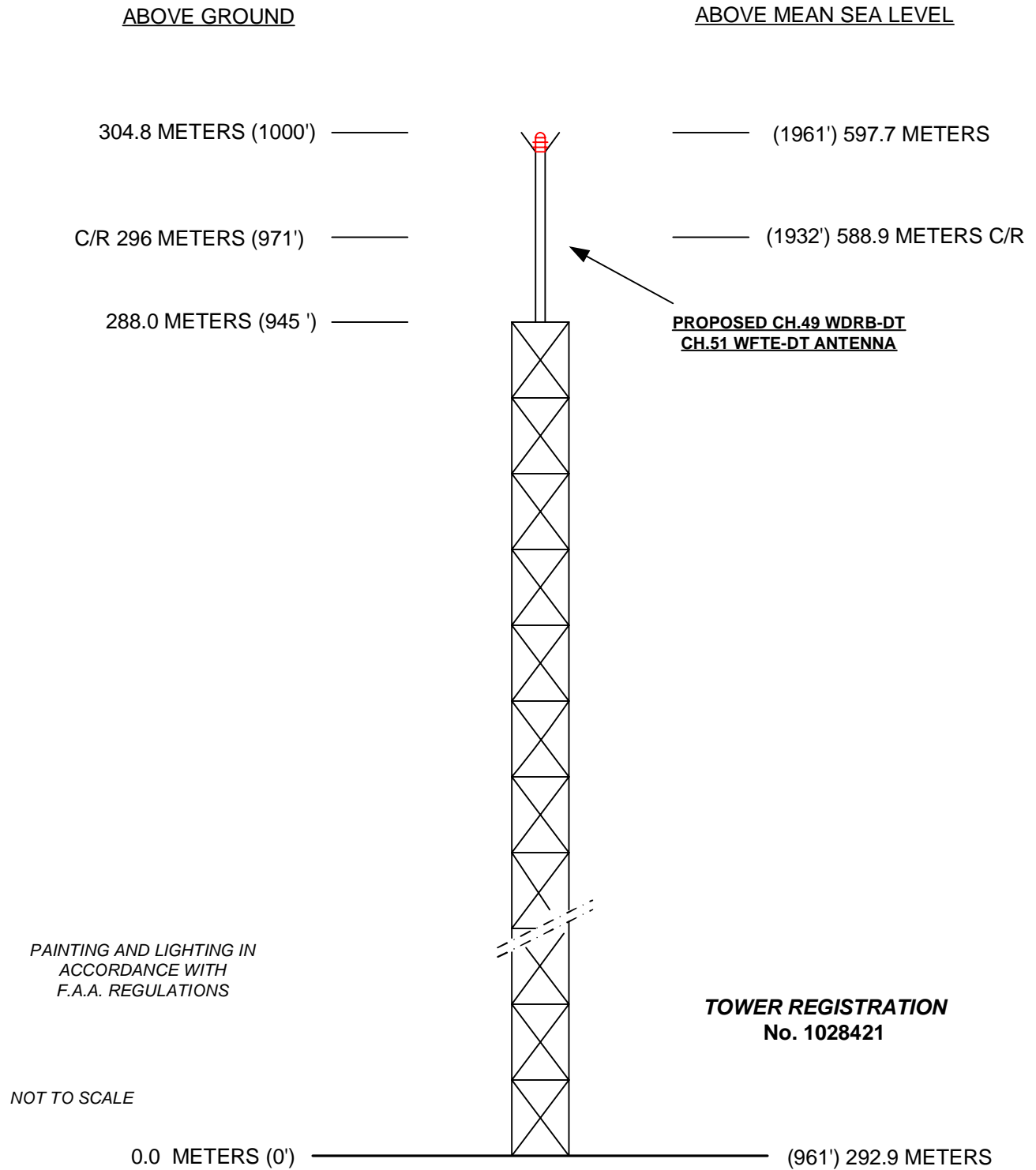


EXHIBIT E - 1
TOWER SKETCH
EXISTING TOWER
WDRB-DT, LOUISVILLE, KENTUCKY
NOVEMBER 2005

EXHIBIT E-2

ANTENNA MANUFACTURER DATA

WDRB-DT, LOUISVILLE, KENTUCKY

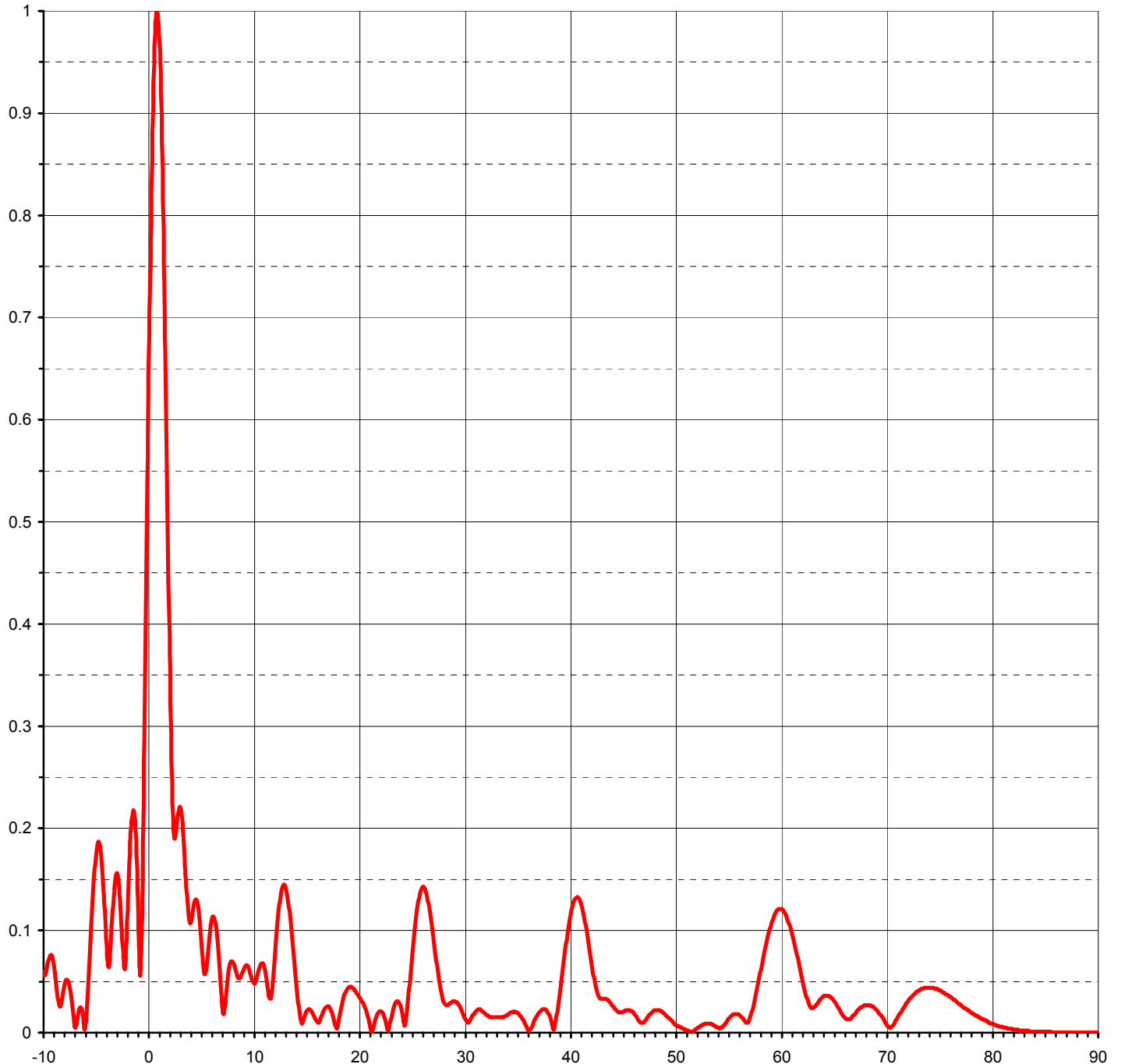


Proposal Number	DCA-10848	Revision:	3
Date	29-Jun-05		
Call Letters	WDRB-DT	Channel	49
Location	Louisville, KY		
Customer			
Antenna Type	TFU-32DSB-R-TC-S		

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

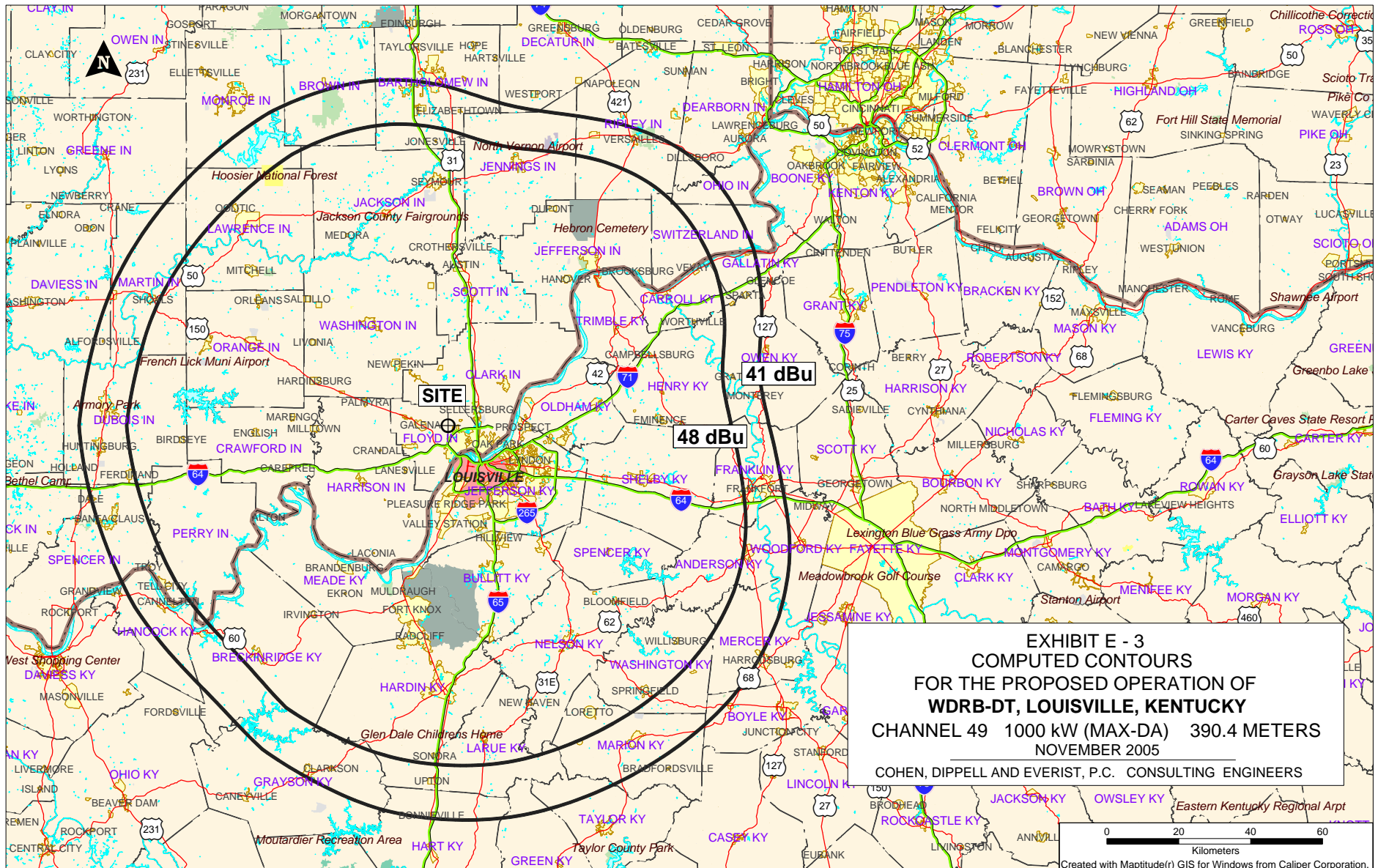


Proposal Number **DCA-10848** Revision: **3**
 Date **29-Jun-05**
 Call Letters **WDRB-DT** Channel **49**
 Location **Louisville, KY**
 Customer
 Antenna Type **TFU-32DSB-R-TC-S**

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		



SECTION III-D - DTV Engineering

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

Certification Checklist: A correct answer of "Yes" to all of the questions below will ensure an expeditious grant of a construction permit. 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.

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 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 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
2. The proposed facility will not have a significant environmental impact, including exposure of workers or the general public to levels of RF 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 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.") ☐ Yes ☐ No

If "No," attach as an Exhibit justification therefor, 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 therefor. (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 radiofrequency 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.

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	Relationship to Applicant (e.g., Consulting Engineer)	
Signature	Date	
Mailing Address		
City	State or Country (if foreign address)	ZIP Code
Telephone Number (include area code)	E-Mail Address (if available)	

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).