

## **ENGINEERING EXHIBIT**

### **Application for Post-Transition Digital Television Station Construction Permit**

prepared for

#### **Esteem License Holdings, Inc.**

WEMT-DT Greeneville, TN

Facility ID 40761

Ch. 38 1000 kW 721 m

*Esteem License Holdings, Inc.* (“*Esteem*”) is the licensee of television station WEMT(TV), analog Channel 39 and digital Channel 38, Greeneville, TN. *Esteem* herein seeks a Construction Permit to relocate and modify the WEMT-DT post-transition digital facility on Channel 38. WEMT-DT will be remaining on Channel 38 during the post-transition period, as established in Appendix B of the Seventh Report and Order in MB Docket 87-268.

WEMT-DT is presently licensed (BLC DT-20050606AHR) to operate with an effective radiated power (“ERP”) of 1000 kW with a directional antenna at 795 meters height above average terrain (“HAAT”). The proposal would relocate the WEMT-DT transmitter to a site 72.2 km distant from the licensed site, maintain ERP at 1000 kW, and employ a different directional antenna at 721 meters HAAT.

The proposed WEMT-DT facility will employ a new antenna system to be side-mounted on an existing antenna supporting structure, having FCC Antenna Structure Registration (“ASR”) number 1225306 and employed by WCYB-TV (Facility 2455, Bristol, VA). No change to the overall structure height is proposed.

The proposed antenna is an elliptically polarized Dielectric model TFU-22JSC/VP-R P250 (30 percent vertical polarization). The maximum horizontally polarized ERP is 1000 kW, and the maximum vertically polarized ERP is 300 kW. The vertically polarized component will not exceed the horizontally polarized component at any azimuth. The directional antenna’s azimuthal patterns

are depicted in **Figures 1** and **1A** for horizontal and vertical polarization, respectively. **Figures 2** and **2A** provide the theoretical vertical plane (elevation) pattern.

A map is supplied as **Figure 3**, which depicts the standard predicted coverage contours. This map includes the location of Greeneville, WEMT-DT's principal community. As demonstrated thereon, the proposed facility complies with §73.625(a)(1), as the entire principal community will be encompassed by the 48 dBμ contour.

### Population and Coverage

The proposed WEMT-DT facility's predicted service population provides a 60.5 percent match of the Appendix B facility, as detailed in the following table.

<b>Post-Transition Population Summary</b>		
Population Summary (2000 Census) OET Bulletin 69 method	Appendix B	Proposed
Within Noise Limited Contour	2,233,987	1,661,098
Not affected by terrain losses	1,844,305	1,116,182
Lost to all interference	3,774	2,820
Net DTV Service	<b>1,840,531</b>	<b>1,113,362</b>
Match of Appendix B	---	<b>60.49%</b>

The proposal falls short of achieving the FCC's target of at least a 95 percent match of the Appendix B population. Further, as depicted in **Figure 4**, the proposed relocation will result in a substantial shift in the WEMT-DT service contour area and the creation of a coverage contour loss area having a population of 1,027,504 persons.

<b>DTV Coverage Contour Gain-Loss</b>		
41 dBμ Contour	Area (sq. km)	Population (2000 Census)
Licensed WEMT-DT	42,764.2	2,221,375
Proposed WEMT-DT	40,548.4	1,647,063
Loss Area	16,903.5	1,027,504
Gain Area	14,687.7	453,192

However, as depicted in **Figure 5**, the entire loss area is considered "well served" since at least five other authorized post-transition facilities provide contour overlap. DTV service contours<sup>1</sup> from 59 other authorized post-transition facilities overlap portions of the loss and/or gain areas

<sup>1</sup> Contour levels are pursuant to §73.622(e).

(listed in **Table 1**), where most of the loss area is within the DTV service contour of at least 11 other stations and all of the loss area is within the service contour of at least 9 other stations.

Nearly all of the loss area is within the service contour of another station of the same network affiliation (Fox Network). **Figure 6** supplies a contour map of the overlapping contours from Fox Network stations in adjacent markets. Nearly all of the Fox Network contour loss area is within the coverage contours of adjacent market Fox Network stations WTNZ-DT (Ch. 34, Knoxville, TN) and WNHS-DT (Ch. 21, Greenville, SC). The overlapping Fox Network station contours cover all of the loss area except for a small area of 151.5 sq. km containing a population of 873 persons. This represents 0.08 percent of the total loss population (1,027,504 persons). This small area is terrain-blocked from the licensed WEMT-DT facility. **Figure 6A** provides a Longley-Rice predicted coverage map of the licensed WEMT-DT facility, showing that signal levels within the entire Fox Network contour loss area (873 persons) are below the 41 dBμ reception threshold and actual service from WEMT-DT is not expected in this area. The Fox Network contour loss area does not involve any area within the analog WEMT Grade B contour.

The loss area's population is high because the licensed WEMT-DT service contour encompasses the heavily populated areas of Knoxville, TN and vicinity, and the proposed relocation would remove contour coverage of those areas. However, WTNZ-DT, licensed to Knoxville, provides Fox Network service to that area and WEMT-DT's predicted coverage from the adjacent market is redundant to and weaker than the local WTNZ-DT.

Importantly, **Figure 6** shows that the proposal's gain area would provide Fox Network contour coverage to a large area that will otherwise not be covered by any other Fox Network station. This gain area population is 341,535 persons, which is 75.4 percent of the total gain population (453,192 persons). Thus, the proposal's loss area is well-served by other same-network stations while the gain area would result in a significant population increase for network contour coverage.

WENT-DT's principal community, Greeneville, is within the Tri-Cities, TN-VA Nielsen DMA. As depicted in **Figure 7**, the proposed relocation would place the WENT-DT transmitter and resulting service contour in a more complementary geographic arrangement for service to the overall DMA. The licensed WENT-DT site is near the southwest tip of the DMA, such that its contour falls short of reaching the DMA's northeastern portions. The licensed WENT-DT facility's coverage contour encompasses 671,726 persons within the Tri-Cities DMA counties, which is 86.9 percent of the total DMA population. The proposed relocation would increase WENT-DT's contour coverage of the DMA to 759,327 persons, 98.3 percent of the total DMA population. **Figure 7A** demonstrates that viewers inside WENT-DT's DMA would be the principal beneficiaries, as the proposal would add new, first Fox Network service to portions of the Tri-Cities DMA counties of Buchanan, Smyth, Dickenson, Russell, Washington, and Johnson.

Despite the contour loss area and inability to achieve a 95 percent match of the Appendix B population, grant of the proposal should be considered in the public interest for the reasons described above. Namely, the contour loss areas are in adjacent markets and are well served by stations in those markets (including same-network service), the proposal would provide Fox Network service to a significant population that does not presently receive service from other Fox Network stations, and the proposal would result in Fox Network coverage to nearly all of WENT-DT's DMA.

### **Allocation and Interference**

A detailed interference study per OET Bulletin 69<sup>2</sup> shows that the proposal complies with the 0.5 percent limit of new interference caused to the Appendix B facilities and current post-transition authorizations of pertinent nearby stations. The interference study output report is provided as **Table 2**. Protection requirements towards authorized Class A stations are also satisfied.

The proposed 1000 kW ERP exceeds the maximum allowed for the proposed antenna HAAT of 721 meters currently permitted by §73.622(f)(6)(i). Section 73.622(f)(5) permits the maximum

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<sup>2</sup>FCC Office of Engineering and Technology Bulletin number 69, *Longley-Rice Methodology for Evaluating TV Coverage and Interference*, February 6, 2004 ("OET-69"). The implementation of OET-69 for this study followed the guidelines of OET-69 as specified therein. A standard cell size of 2 km was employed. Comparisons of various results of this computer program (run on a Sun Sparc processor) to the Commission's implementation of OET-69 show excellent correlation.

ERP to be exceeded in order to provide the same geographic coverage area as the largest station within the same market. The total area within the proposed WENT-DT 41 dBμ contour is 40,548 square kilometers, which does not exceed the authorized post-transition coverage contour area of WCYB-DT (52,340 sq. km, Ch. 5, Bristol, VA) as shown in **Figure 8**. Thus, the 1000 kW ERP specified herein is in compliance with §73.622(f)(5) of the Commission's Rules.

The nearest FCC monitoring station is 373 km distant at Powder Springs, GA. This exceeds by a large margin the threshold minimum distance specified in §73.1030(c)(3) that would suggest consideration of the monitoring station. The site is not located within the areas requiring coordination with "quiet" zones specified in §73.1030(a) and (b). There are no AM stations within 3.2 kilometers of the site, based on information contained within the Commission's database. The site location is beyond the border areas requiring international coordination.

### **Human Exposure to Radiofrequency Electromagnetic Field (Environmental)**

The proposal will involve use of a new transmitting antenna to be side-mounted on an existing tower structure. The use of existing transmitting locations has been characterized as being environmentally preferable by the Commission, according to Note 1 of §1.1306 of the FCC Rules. No change in structure height is proposed. Therefore, it is believed that this application may be categorically excluded from environmental processing pursuant to §1.1306 of the Commission's rules.

The proposed operation was evaluated for human exposure to RF energy using the procedures outlined in the Commission's OET Bulletin Number 65. Based on OET-65 equation (10), and considering 10 percent antenna relative field in downward elevations (pattern data shows relative field does not exceed 10 percent at angles 15 to 90 degrees below the antenna), the calculated signal density near the tower at two meters above ground level attributable to the proposed facility is  $52.2 \mu\text{W}/\text{cm}^2$ , which is 12.7 percent of the general population/uncontrolled maximum permitted exposure limit ("MPE"). The calculated signal density contribution from the co-located WCYB-DT facility (post-transition Ch. 5, BPCDT-20080327AFS) is 1.0 percent of the general population/uncontrolled MPE. Thus, the total calculated signal density near the tower at two

meters above ground level is 13.7 percent of the general population/uncontrolled MPE. No other broadcast station transmitting antennas are located at this site or near enough to be significant contributors at the proposed site area.

The general public will not be exposed to RF levels attributable to the proposal in excess of the FCC's guidelines. RF exposure warning signs will continue to be posted. With respect to worker safety, the applicant will coordinate exposure procedures with all pertinent stations and will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from RF electromagnetic field exposure in excess of FCC guidelines.

### **Certification**

The undersigned hereby certifies that the foregoing statement and associated attachments were prepared by him or under his direction, and that they are true and correct to the best of his knowledge and belief.



Joseph M. Davis, P.E.  
May 19, 2009

**Chesapeake RF Consultants, LLC**  
11993 Kahns Road  
Manassas, VA 20112  
703-650-9600

### List of Attachments

Figure 1, 1A	Antenna Horizontal Plane Pattern
Figure 2, 2A	Antenna Vertical Plane (Elevation) Pattern
Figure 3	Proposed Coverage Contours
Figure 4	Coverage Contour Comparison - Gain and Loss Areas
Figure 5	Alternative Post-Transition DTV Services in Gain and Loss Areas
Table 1	Alternative Post-Transition DTV Services in Gain and Loss Areas
Figure 6	Fox Network Post-Transition DTV Services in Gain and Loss Areas
Figure 6A	Longley-Rice Predicted Coverage - Licensed Facility
Figure 7	DMA Contour Coverage
Figure 7A	DMA Contour Coverage - Fox Gain and Loss Areas
Table 2	OET Bulletin 69 Interference Study
Figure 8	Largest Station in Market
Form 301	Saved Version of Engineering Sections from FCC Form at Time of Upload

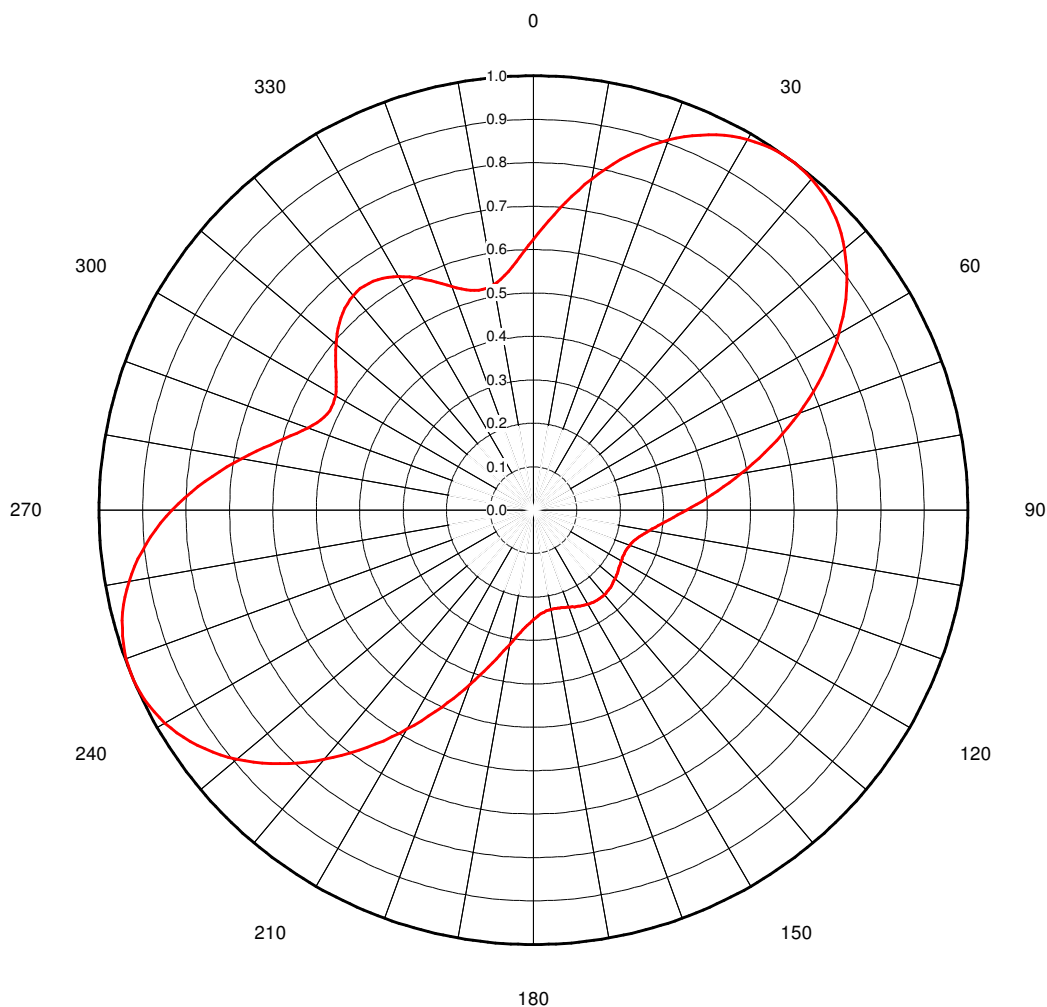
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Proposal Number	<b>C-03452</b>	Revision:	<b>2</b>
Date	<b>29-Apr-09</b>		
Call Letters	<b>WEMT</b>	Channel	<b>38</b>
Location	<b>Greenville, TN</b>		
Customer			
Antenna Type	<b>TFU-22JSC/VP-R P250</b>		

**AZIMUTH PATTERN**

Gain **2.40** (3.80 dB)  
Calculated / Measured **Calculated**

Frequency **617.00 MHz**  
Drawing # **3P240H**



**Figure 1**  
**Antenna Horizontal Plane Pattern**  
**Horizontal Polarization**  
**WEMT-DT Greenville, TN**  
**Facility ID 40761**  
**Ch. 38 1000 kW 721 m**

prepared for  
**Esteem License Holdings, Inc.**

May, 2009

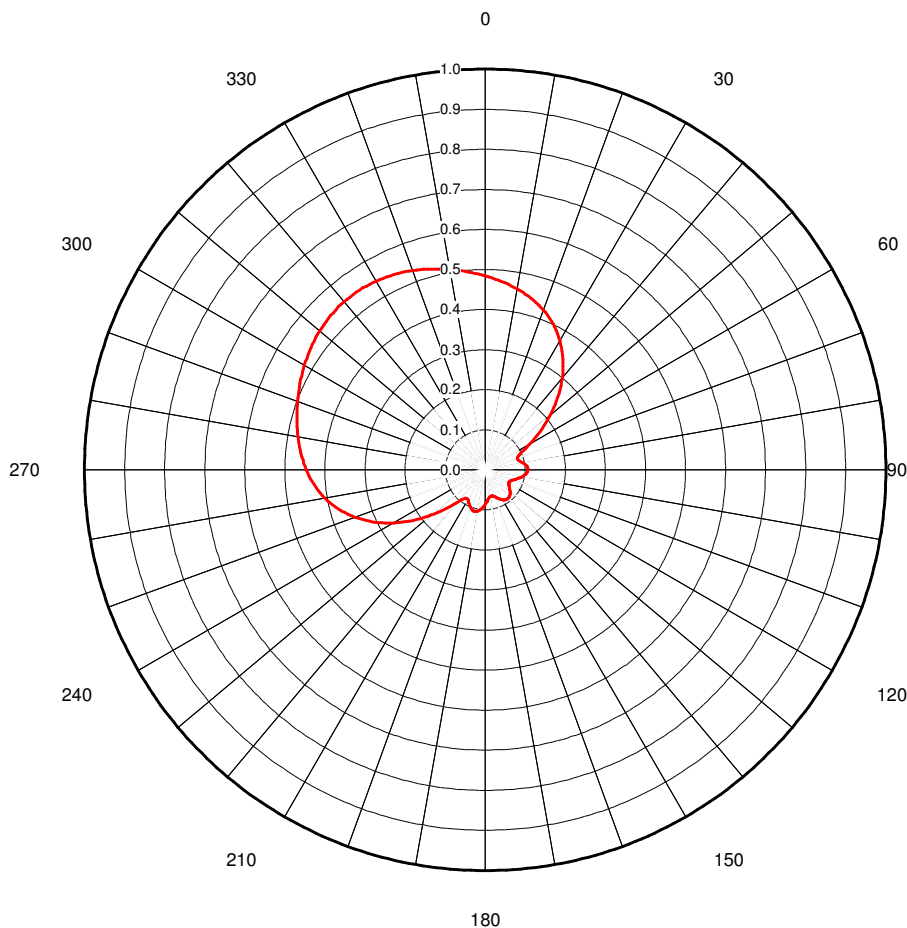


Proposal Number **C-03452** Revision: **2**  
 Date **29-Apr-09**  
 Call Letters **WEMT** Channel **38**  
 Location **Greenville, TN**  
 Customer  
 Antenna Type **TFU-22JSC/VP-R P250**

**AZIMUTH PATTERN/VERTICAL POLARIZATION**

Gain **2.80** (4.47 dB)  
 Calculated / Measured **Calculated**

Frequency **617.00 MHz**  
 Drawing # **3P280-V**



**Figure 1A**  
**Antenna Horizontal Plane Pattern**  
**Vertical Polarization**  
**WEMT-DT Greenville, TN**  
**Facility ID 40761**  
**Ch. 38 1000 kW 721 m**

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**Esteem License Holdings, Inc.**

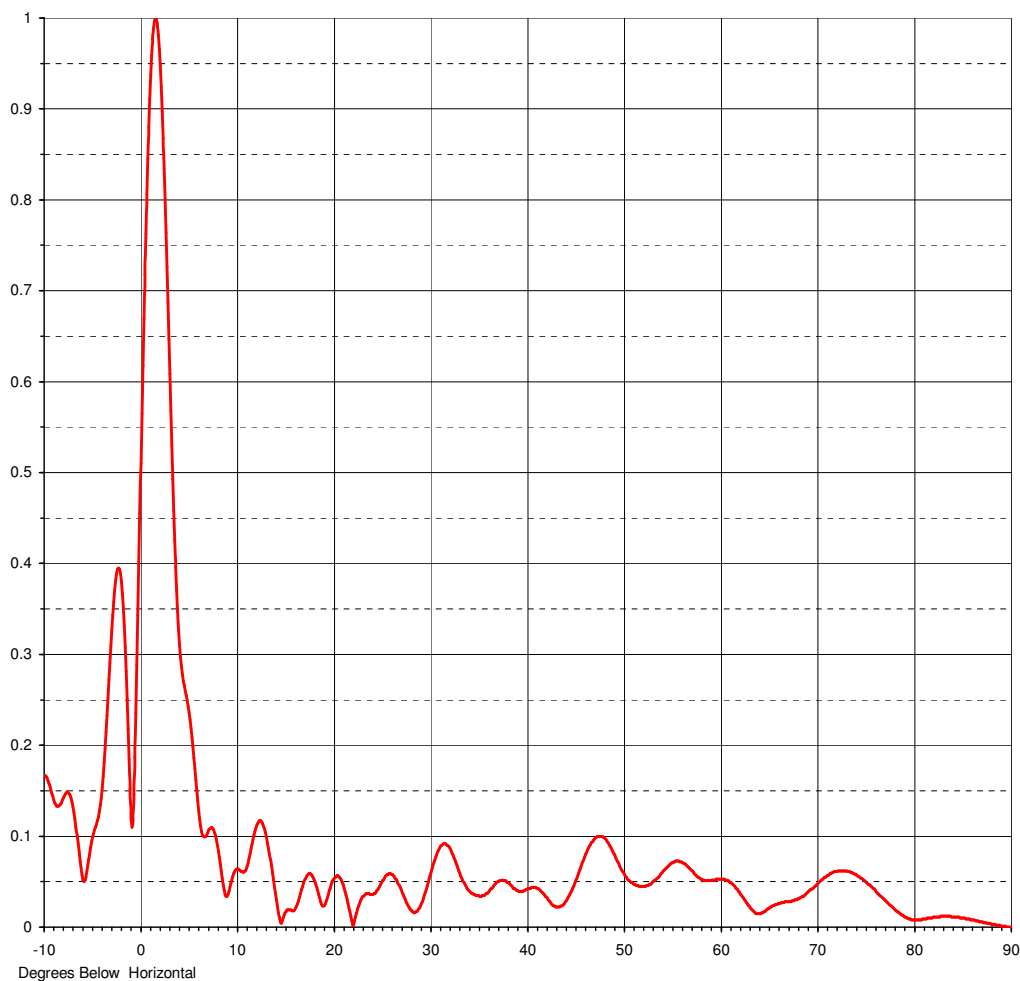
May, 2009



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Location	<b>Greenville, TN</b>		
Customer			
Antenna Type	<b>TFU-22JSC/VP-R P250</b>		

### ELEVATION PATTERN

RMS Gain at Main Lobe	<b>19.50 ( 12.90 dB )</b>	Beam Tilt	<b>1.50 deg</b>
RMS Gain at Horizontal	<b>5.10 ( 7.08 dB )</b>	Frequency	<b>617.00 MHz</b>
Calculated / Measured	<b>Calculated</b>	Drawing #	<b>22Z195150-90</b>



**Figure 2**  
**Antenna Vertical (Elevation)**  
**Plane Pattern**  
**WEMT-DT Greenville, TN**  
**Facility ID 40761**  
**Ch. 38 1000 kW 721 m**

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**Esteem License Holdings, Inc.**

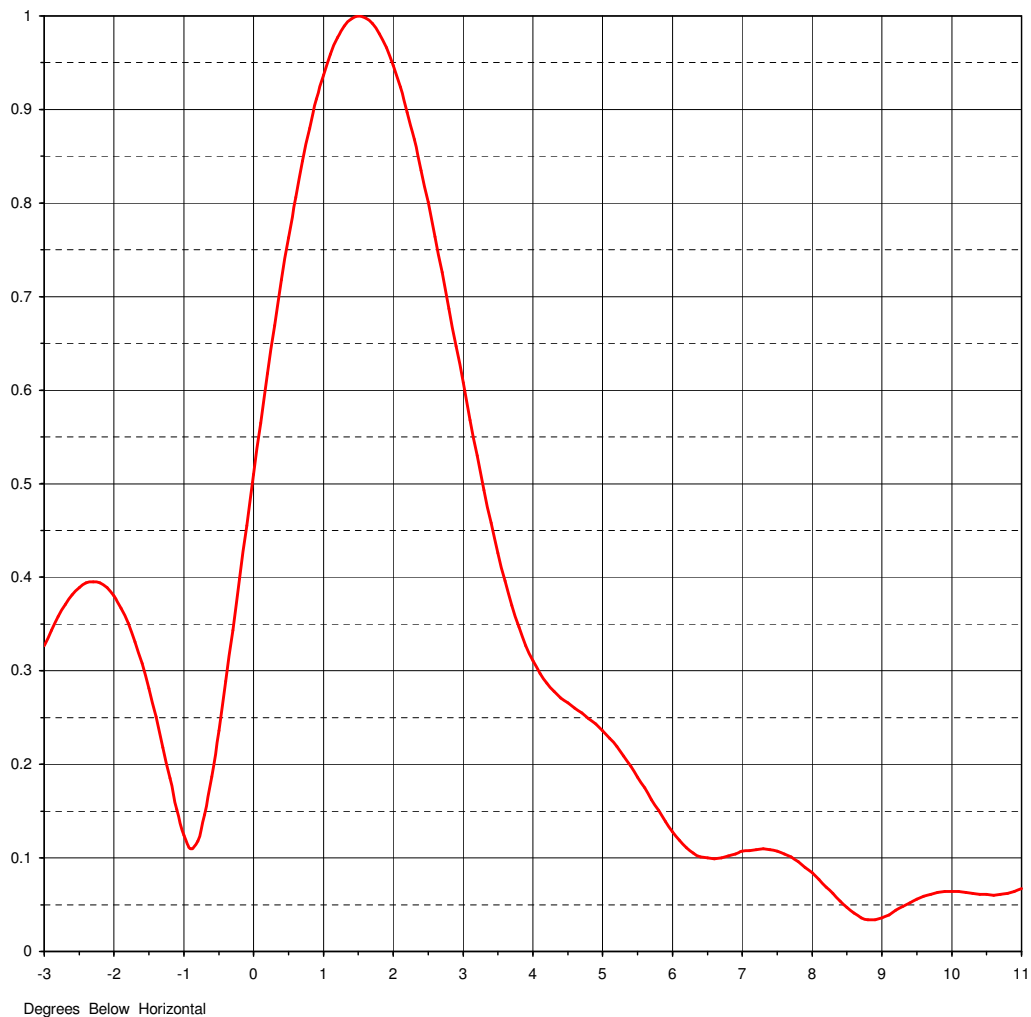
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Proposal Number **C-03452** Revision: **2**  
Date **29-Apr-09**  
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Location **Greenville, TN**  
Customer  
Antenna Type **TFU-22JSC/VP-R P250**

### ELEVATION PATTERN

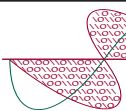
RMS Gain at Main Lobe	<b>19.50 ( 12.90 dB )</b>	Beam Tilt	<b>1.50 deg</b>
RMS Gain at Horizontal	<b>5.10 ( 7.08 dB )</b>	Frequency	<b>617.00 MHz</b>
Calculated / Measured	<b>Calculated</b>	Drawing #	<b>22Z195150</b>



**Figure 2A**  
**Antenna Vertical (Elevation)**  
**Plane Pattern - Detail**  
**WEMT-DT Greenville, TN**  
**Facility ID 40761**  
**Ch. 38 1000 kW 721 m**

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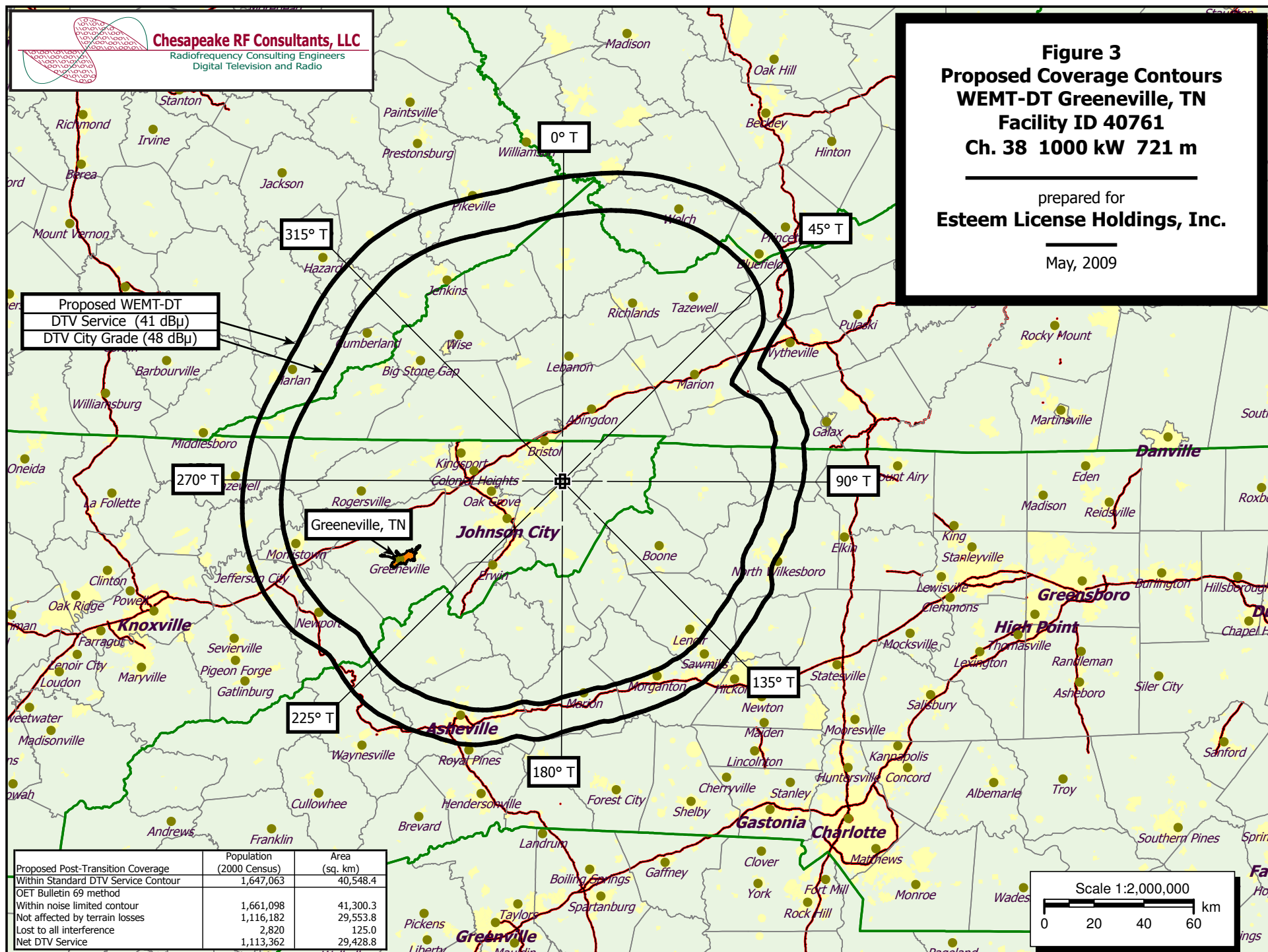


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**Figure 3**  
**Proposed Coverage Contours**  
**WENT-DT Greenville, TN**  
**Facility ID 40761**  
**Ch. 38 1000 kW 721 m**

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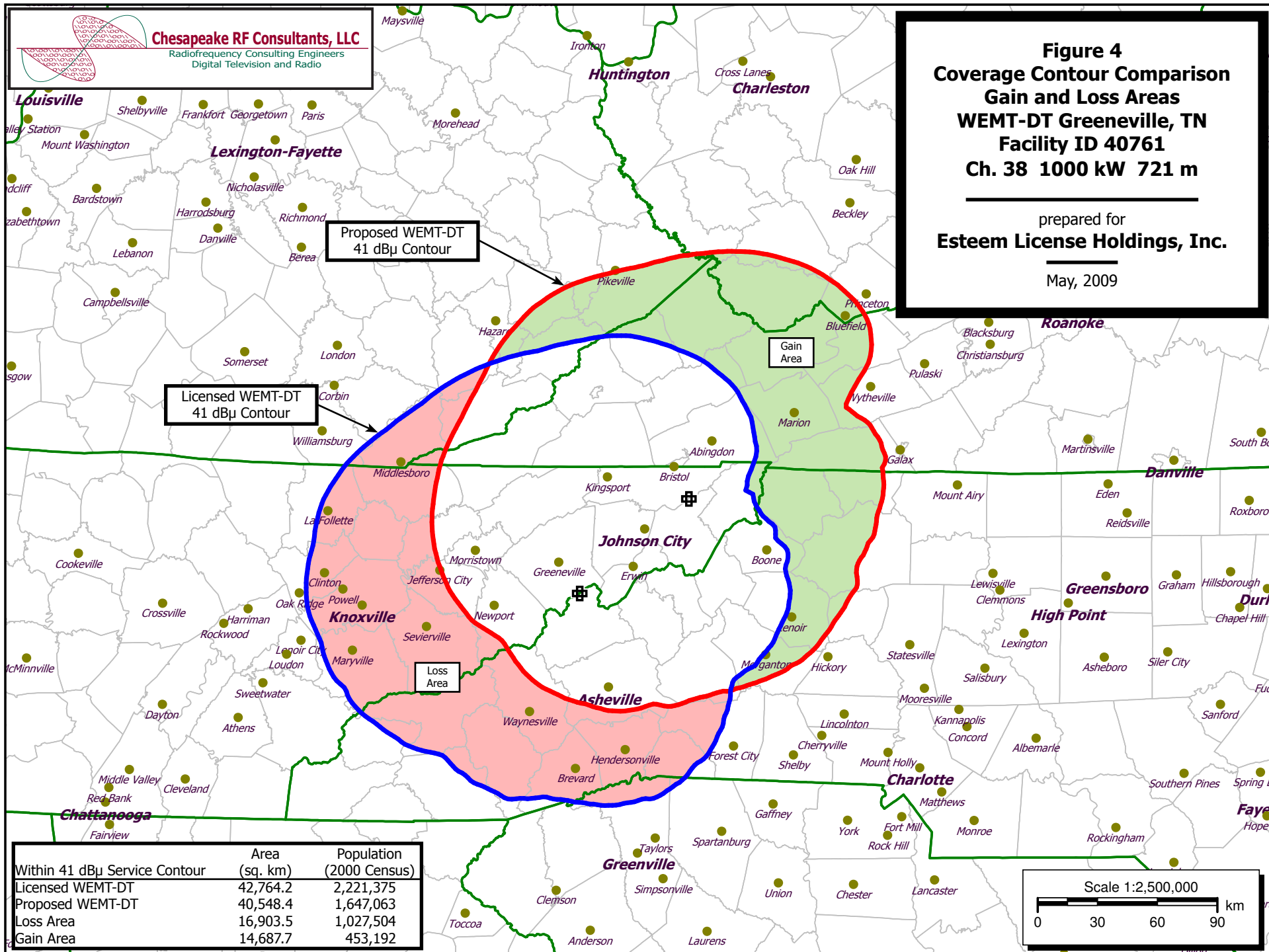
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Proposed Post-Transition Coverage	Population (2000 Census)	Area (sq. km)
Within Standard DTV Service Contour	1,647,063	40,548.4
OET Bulletin 69 method		
Within noise limited contour	1,661,098	41,300.3
Not affected by terrain losses	1,116,182	29,553.8
Lost to all interference	2,820	125.0
Net DTV Service	1,113,362	29,428.8



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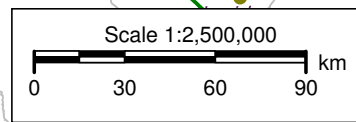


**Figure 4**  
**Coverage Contour Comparison**  
**Gain and Loss Areas**  
**WEMT-DT Greenville, TN**  
**Facility ID 40761**  
**Ch. 38 1000 kW 721 m**

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May, 2009

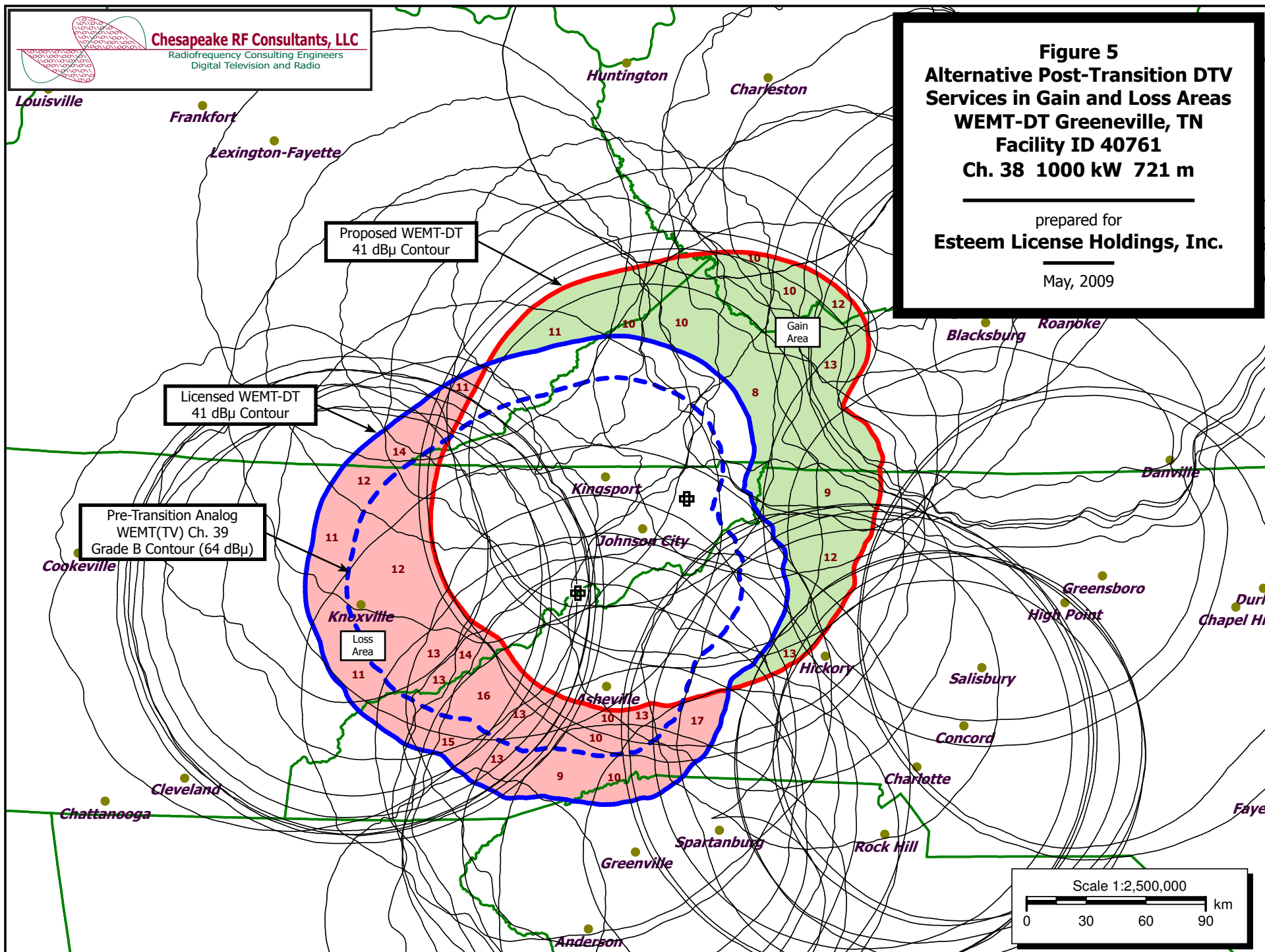
	Area (sq. km)	Population (2000 Census)
Within 41 dBu Service Contour		
Licensed WEMT-DT	42,764.2	2,221,375
Proposed WEMT-DT	40,548.4	1,647,063
Loss Area	16,903.5	1,027,504
Gain Area	14,687.7	453,192







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**Figure 5**  
**Alternative Post-Transition DTV**  
**Services in Gain and Loss Areas**  
**WEMT-DT Greenville, TN**  
**Facility ID 40761**  
**Ch. 38 1000 kW 721 m**

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Table 1

**Alternate Post-Transition DTV Services in Gain and Loss Areas  
Authorized Post-Transition Facilities**

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WEMT-DT Greenville, TN



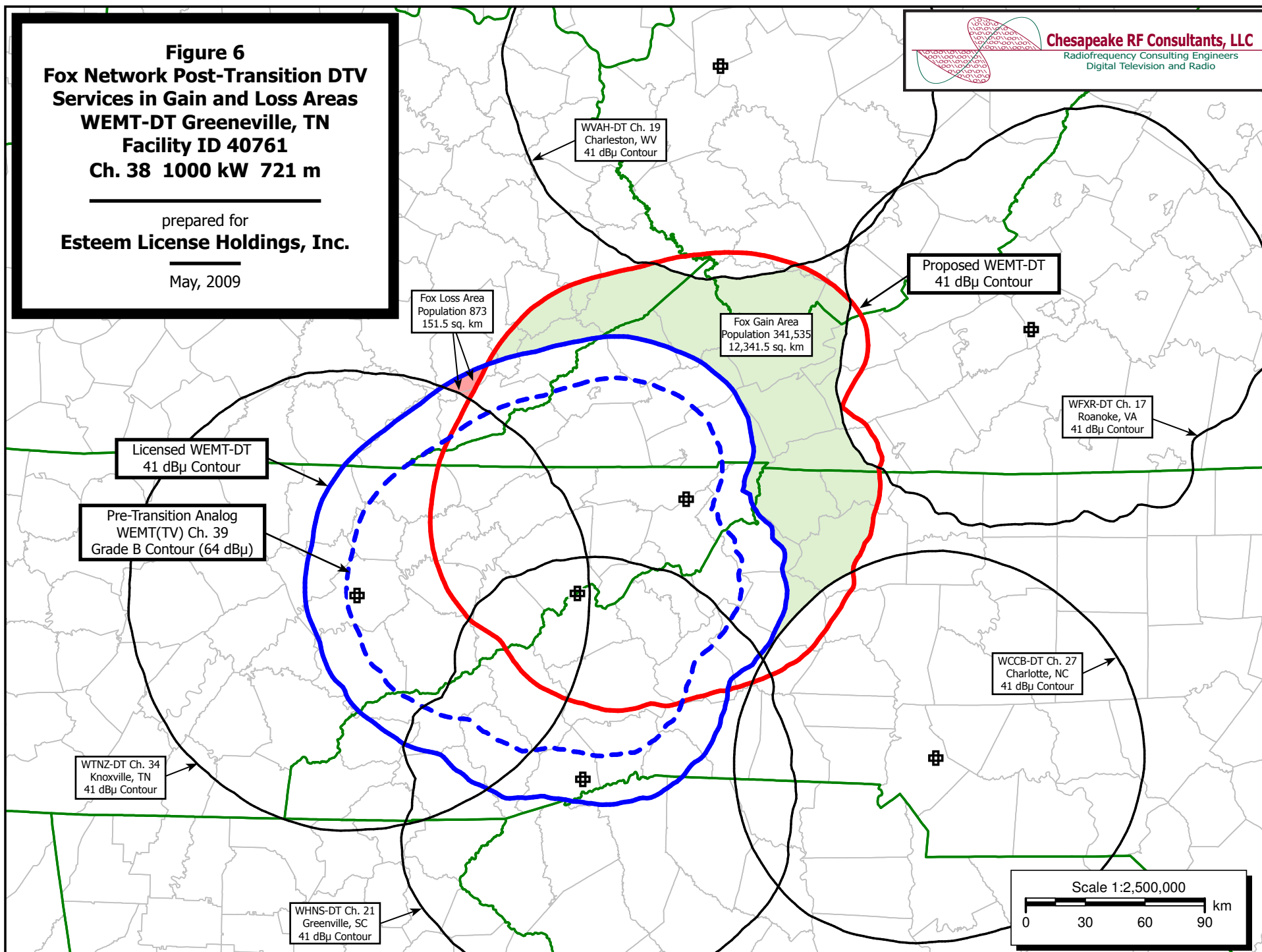
Callsign	Status	Ch.	Location	File Number
WAGV-DT	LI	51	Harlan, KY	BLCDDT-20061012AAS
WATE-DT	LI	26	Knoxville, TN	BMLCDDT-20041203AEG
WBIR-DT	CPM	10	Knoxville, TN	BMPCCDT-20080620AMO
WBRA-DT	CP	3	Roanoke, VA	BPEDT-20080619ACF
WBTB-DT	LI	23	Charlotte, NC	BLCDDT-19991025AEB
WBXX-DT	CP	20	Crossville, TN	BPCDDT-20080619AKH
WCCB-DT	LI	27	Charlotte, NC	BLCDDT-20020227AAZ
WCHS-DT	LI	41	Charleston, WV	BLCDDT-20050621AAQ
WCNC-DT	LI	22	Charlotte, NC	BLCDDT-20031211ABN
WCYB-DT	CP	5	Bristol, VA	BPCDDT-20080327AFS
WDBJ-DT	LI	18	Roanoke, VA	BLCDDT-20020502AAP
WETP-DT	LI	41	Sneedville, TN	BLEDT-20050916AAX
WFMV-DT	LI	51	Greensboro, NC	BLCDDT-20050628AAB
WFXR-DT	CP	17	Roanoke, VA	BPCDDT-20080619AJU
WGGG-DT	CP	16	Greenville, SC	BPCDDT-20080317AGV
WHKY-DT	CP	40	Hickory, NC	BPCDDT-20080619AAH
WHNS-DT	CP	21	Greenville, SC	BPCDDT-20080225ABE
WJHL-DT	CPM	11	Johnson City, TN	BMPCCDT-20080619ACA
WJZY-DT	CPM	47	Belmont, NC	BMPCCDT-20080319ACZ
WKHA-DT	LI	16	Hazard, KY	BLEDT-20020205AAW
WKOP-DT	LI	17	Knoxville, TN	BLEDT-20040405ACC
WKPI-DT	LI	24	Pikeville, KY	BLEDT-20020313ABL
WKPT-DT	CPM	27	Kingsport, TN	BMPCCDT-20050303AAJ
WLFB-DT	CP	40	Bluefield, WV	BPCDDT-20080317AIS
WLFG-DT	CP	49	Grundy, VA	BPCDDT-19991029AGK
WLJC-DT	CP	7	Beattyville, KY	BPCDDT-20080618ABC
WLOS-DT	CPM	13	Asheville, NC	BMPCCDT-20080620AKA
WMAK-DT	CP	7	Knoxville, TN	BPCDDT-20080801ASS
WMSY-DT	LI	42	Marion, VA	BLEDT-20030428ABS
WMYA-DT	CPM	14	Anderson, SC	BMPCCDT-20080620ADM

Callsign	Status	Ch.	Location	File Number
WMYT-DT	CPM	39	Rock Hill, SC	BMPCCDT-20080319ADB
WNEG-DT	CPM	24	Toccoa, GA	BMPCCDT-20080410ABJ
WNTV-DT	CP	9	Greenville, SC	BPEDT-20080620ACK
WOAY-DT	CP	50	Oak Hill, WV	BPCDDT-20080619AID
WPBY-DT	CP	34	Huntington, WV	BPEDT-20080619ACN
WPXK-DT	LI	23	Jellico, TN	BLCDDT-20020510AAJ
WPXR-DT	LI	36	Roanoke, VA	BLCDDT-20020510AAB
WRET-DT	CP	43	Spartanburg, SC	BPEDT-20080620ACI
WSBN-DT	LI	32	Norton, VA	BLEDT-20030428ABR
WSLS-DT	CP	30	Roanoke, VA	BPCDDT-20080619ABS
WSOC-DT	LI	34	Charlotte, NC	BLCDDT-20040526ANW
WSPA-DT	CPM	7	Spartanburg, SC	BMPCCDT-20080619ABN
WSWP-DT	CPM	10	Grandview, WV	BMPEDT-20080916AEU
WTNZ-DT	LI	34	Knoxville, TN	BMLCDDT-20040706ABG
WTVI-DT	CP	11	Charlotte, NC	BPEDT-20080620ALW
WUNE-DT	CPM	17	Linville, NC	BMPEDT-20080616ABZ
WUNF-DT	CP	25	Asheville, NC	BPEDT-20080619AEH
WUNG-DT	CP	44	Concord, NC	BPEDT-20080616ACB
WUNL-DT	CP	32	Winston-Salem, NC	BPEDT-20080617AAL
WVAH-DT	CPM	19	Charleston, WV	BMPCCDT-20040406AAX
WVLR-DT	CPM	48	Tazewell, TN	BMPCCDT-20080925AEP
WVLT-DT	CP	30	Knoxville, TN	BPCDDT-20080618AAM
WVNS-DT	CPM	8	Lewisburg, WV	BMPCCDT-20040608ABO
WVVA-DT	CPM	46	Bluefield, WV	BMPCCDT-20060707ABJ
WXII-DT	LI	31	Winston-Salem, NC	BLCDDT-20050627AAU
WXLV-DT	CP	29	Winston-Salem, NC	BPCDDT-19991101ACF
WYCW-DT	CP	45	Asheville, NC	BPCDDT-19991101AGU
WYFF-DT	CP	36	Greenville, SC	BPCDDT-20080317ABT
WYMT-DT	LI	12	Hazard, KY	BLCDDT-20040109ACY

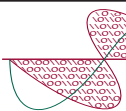
59 stations total

**Figure 6**  
**Fox Network Post-Transition DTV**  
**Services in Gain and Loss Areas**  
**WENT-DT Greenville, TN**  
**Facility ID 40761**  
**Ch. 38 1000 kW 721 m**

prepared for  
**Esteem License Holdings, Inc.**  
May, 2009







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Radiofrequency Consulting Engineers  
Digital Television and Radio

**Figure 6A**  
**Longley-Rice Predicted Coverage**  
**Licensed Facility**  
**WENT-DT Greenville, TN**  
**Facility ID 40761**  
**Ch. 38 1000 kW 721 m**

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Propagation Model: Longley-Rice Version 1.2.2  
Signal Resolution: 0.5 km  
Area of calculation: FCC F(50-90): 41 dBu  
Primary Terrain: USGS 3 Second  
Coordinate System: NAD27

Transmitter Information:  
Call Letters: WENT-DT  
File Number: BLCDT20050606AHR  
Latitude: 36-01-24 N  
Longitude: 082-42-56 W  
ERP: 1000.00 kW  
Channel: 38  
Frequency: 617.0 MHz  
AMSL Height: 1518.5 m  
HAAT: 795.3 m  
Horiz. Antenna Pattern: Directional  
Vert. Elevation Pattern: Yes  
Electrical Beam Tilt: 0.7  
Climate: Continental temperate  
Conductivity: 0.0050  
Dielectric Constant: 15.0  
Refractivity: 311.0  
Receiver Height AG: 10.0 m  
Receiver Gain: 0 dB  
Time Variability: 90.0%  
Situation Variability: 50.0%  
ITM Mode: Broadcast

Fox Contour  
Loss Area

Licensed WENT-DT  
41 dBu Contour

Licensed WENT-DT Longley-Rice Predicted Signal Level

- Signal 41 dBu or higher
- Signal below 41 dBu threshold (terrain blocked)

Scale 1:2,500,000

0 30 60 90 km

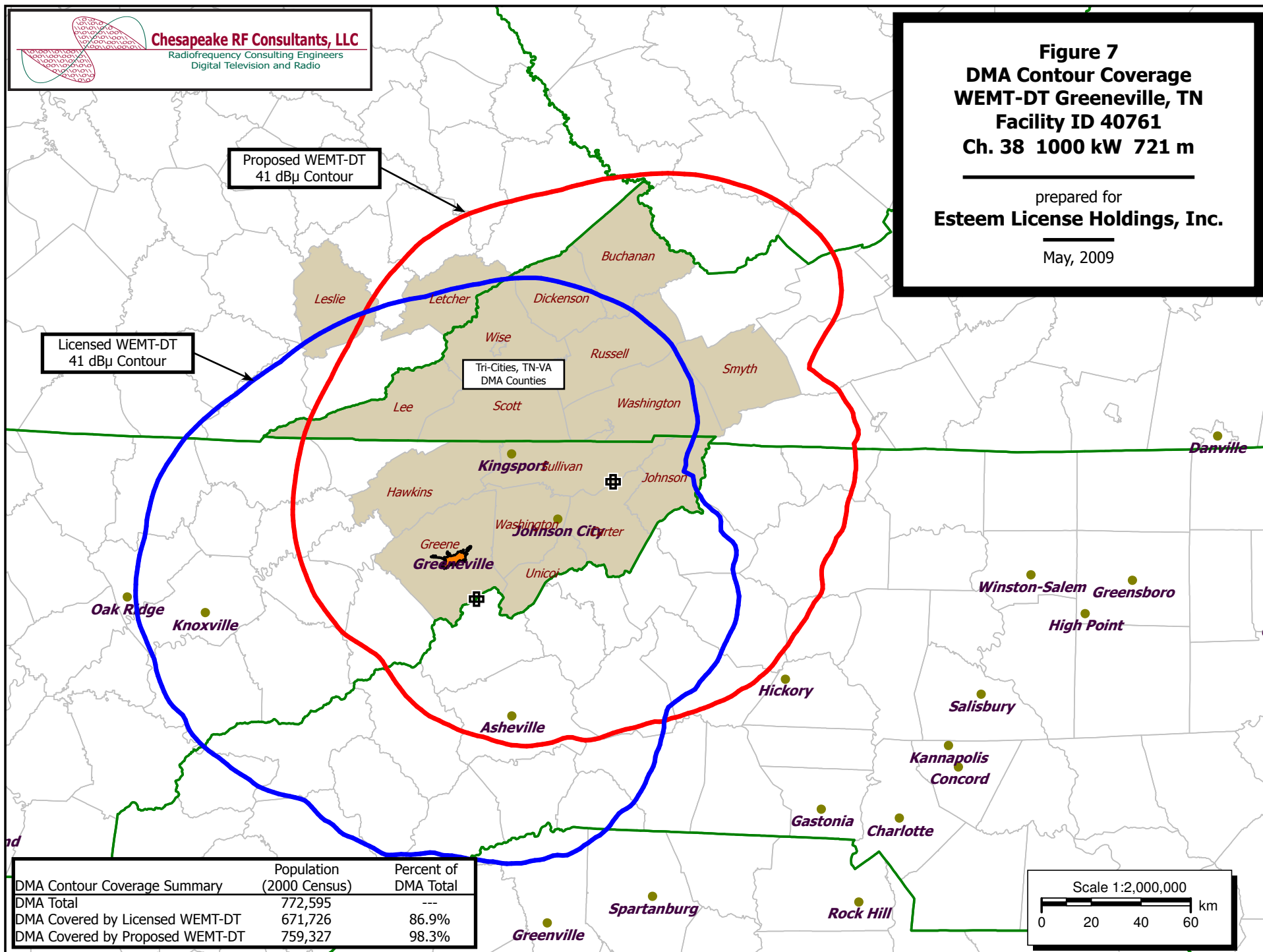


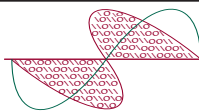
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**Figure 7**  
**DMA Contour Coverage**  
**WENT-DT Greenville, TN**  
**Facility ID 40761**  
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**Esteem License Holdings, Inc.**

May, 2009



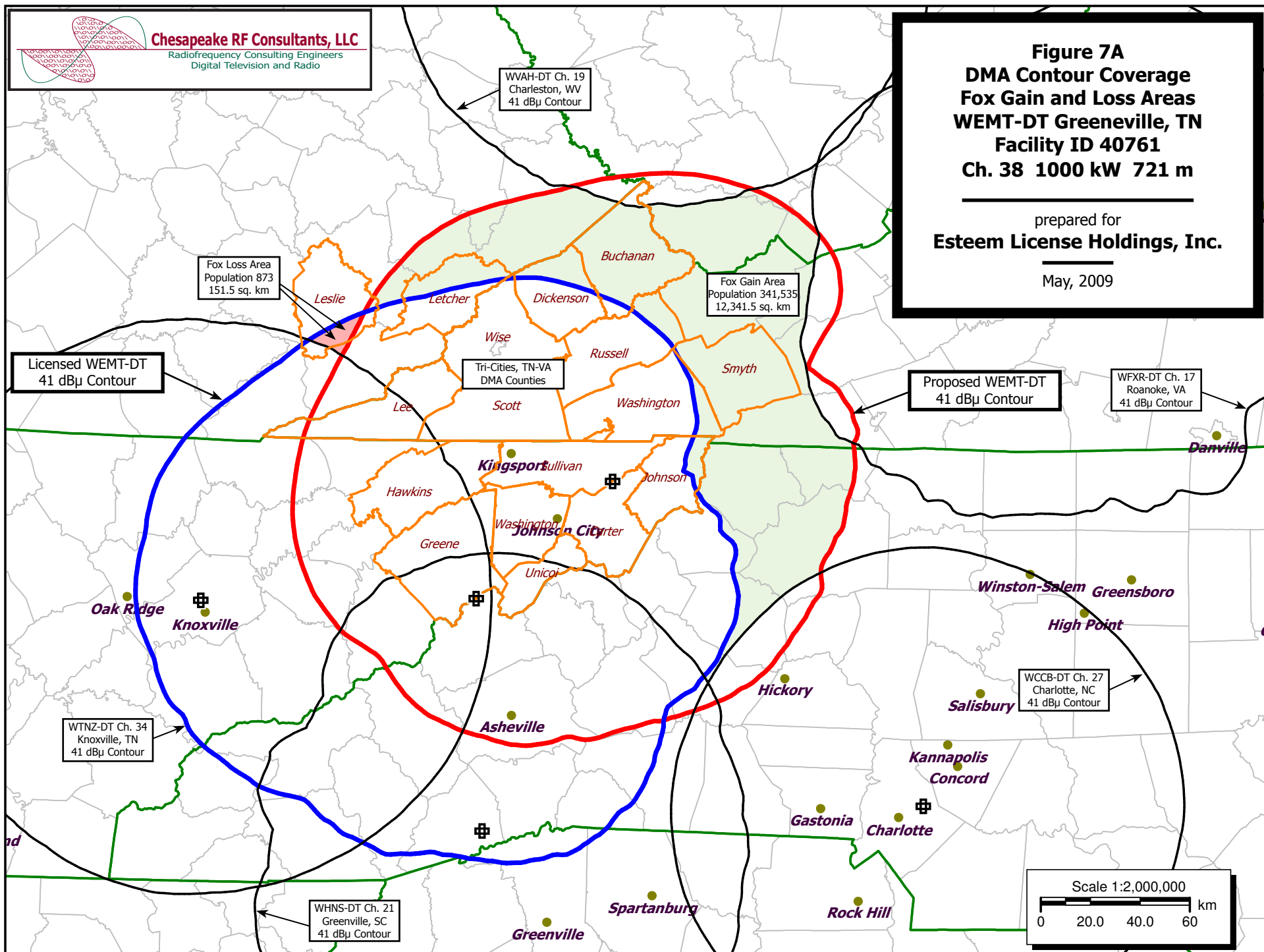


**Chesapeake RF Consultants, LLC**  
Radiofrequency Consulting Engineers  
Digital Television and Radio

**Figure 7A**  
**DMA Contour Coverage**  
**Fox Gain and Loss Areas**  
**WEMT-DT Greenville, TN**  
**Facility ID 40761**  
**Ch. 38 1000 kW 721 m**

prepared for  
**Esteem License Holdings, Inc.**

May, 2009



**Table 2 WEMT-DT OET Bulletin 69 Interference Study**

(worst-case scenarios shown page 1 of 17)

TW Census data selected 2000

Post Transition Data Base Selected /space/software/cdbs/pt\_tvdb.sff

## TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 05-05-2009 Time: 13:55:39

Record Selected for Analysis

WEMT-DT USERRECORD-01 GREENEVILLE TN US  
Channel 38 ERP 1000. kW HAAT 721. m RCMSL 01366 m  
Latitude 036-26-58 Longitude 0082-06-29  
Status APP Zone 2 Border  
Dir Antenna Make usr Model WEMT\_TFU-SIDE Beam tilt N Ref Azimuth 0.  
Last update Cutoff date Docket  
Comments  
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility does not meet maximum height/power limits  
Channel 38 ERP = 1000.00 HAAT = 721.

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	381.692	842.2	121.9
45.0	932.190	718.9	126.1
90.0	124.609	522.6	97.0
135.0	62.250	606.0	96.3
180.0	63.504	725.2	100.8
225.0	673.220	653.6	119.5
270.0	680.883	837.0	127.4
315.0	375.734	860.9	122.4

## Evaluation toward Class A Stations

Station inside contour of Class A station  
WAPK-CA 36 KINGSPORT TN BLTTA 20030618AAX

## Class A Evaluation Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

**Table 2 WEMT-DT OET Bulletin 69 Interference Study**

(worst-case scenarios shown page 2 of 17)

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
38	WEMT-DT	GREENEVILLE TN	USERRECORD01

## Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
24	WLNN-LP	BOONE NC	43.1	LIC	BLTTL	-19970516JB
31	WAPW-CA	ABINGDON VA	41.4	LIC	BLTTA	-20030618AAZ
36	WAPK-CA	KINGSPORT TN	3.3	LIC	BLTTA	-20030618AAX
38	WKTB-CA	ATLANTA GA	339.7	LIC	BLTTA	-20030701BJB
38	WKTB-CA	ATLANTA GA	339.7	CP	BPTTA	-20030624ABT
38	WKMJ-TV	LOUISVILLE KY	391.7	LIC	BLEDT	-20030410AAK
38	WKMJ-TV	LOUISVILLE KY	391.7	PLN	DTVPLN	-DTVP1364
38	WUVC-TV	FAYETTEVILLE NC	300.2	LIC	BLCDT	-20060912ACZ
38	WUVC-TV	FAYETTEVILLE NC	300.2	PLN	DTVPLN	-DTVP1369
38	WBQC-CA	CINCINNATI OH	364.0	LIC	BLTTA	-20041221ABW
38	WOSU-TV	COLUMBUS OH	418.4	LIC	BLEDT	-20040130AAB
38	WOSU-TV	COLUMBUS OH	418.4	PLN	DTVPLN	-DTVP1375
38	WOSU-TV	COLUMBUS OH	418.4	APP	BPEDT	-20080620ADY
38	WPJT-DT	GEORGETOWN SC	414.5	CP MOD	BMPEDT	-20040503AFV
38	WPJT-DT	GEORGETOWN SC	414.5	PLN	DTVPLN	-DTVP1377
38	WHTN	MURFREESBORO TN	389.5	LIC	BLCDT	-20060627AAY
38	WHTN	MURFREESBORO TN	389.5	PLN	DTVPLN	-DTVP1379
39	WMYT-TV	ROCK HILL SC	148.2	CP MOD	BMPCDT	-20080319ADB
39	WMYT-TV	ROCK HILL SC	148.2	PLN	DTVPLN	-DTVP1412
39	WLPX-TV	CHARLESTON WV	226.5	LIC	BLCDT	-20020510AAM
39	WLPX-TV	CHARLESTON WV	226.5	PLN	DTVPLN	-DTVP1421
41	WKPZ-LP	WYTHEVILLE VA	105.8	LIC	BLTTA	-20021210ACE

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## Analysis of Interference to Affected Station 1

Channel	Call	City/State	Application	Ref. No.
24	WLNN-LP	BOONE NC	BLTTL	-19970516JB

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	WUNE-TV	LINVILLE NC	22.7	CP MOD	BMPEDT	-20080616ABZ
17	WUNE-TV	LINVILLE NC	22.8	PLN	DTVPLN	-DTVP0603
17	WUNE-TV	LINVILLE NC	22.7	LIC	BLET	-19950124KM
22	WCNC-TV	CHARLOTTE NC	110.0	LIC	BLCDT	-20031211ABN
22	WCNC-TV	CHARLOTTE NC	110.0	PLN	DTVPLN	-DTVP0808
22	WCNC-TV	CHARLOTTE NC	110.0	APP	BPCDT	-20080617AEB
23	WBTV	CHARLOTTE NC	107.6	LIC	BLCDT	-19991025AEB
23	WBTV	CHARLOTTE NC	107.6	PLN	DTVPLN	-DTVP0845
24	WNEG-TV	TOCCOA GA	235.0	CP MOD	BMPCDT	-20080410ABJ
24	WNEG-TV	TOCCOA GA	235.0	PLN	DTVPLN	-DTVP0873
24	WKPI-TV	PIKEVILLE KY	137.5	LIC	BLEDT	-20020313ABL
24	WKPI-TV	PIKEVILLE KY	137.5	PLN	DTVPLN	-DTVP0878
24	W24BT	TALBERT KY	163.9	LIC	BLTTL	-20001130ACC

**Table 2 WEMT-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 3 of 17)

24	WFPX-TV	FAYETTEVILLE NC	281.4	APP	BPRM	-20020327ABP
24	WDTT-LP	KNOXVILLE TN	203.8	LIC	BLTTL	-20070731CPA
24	WDTT-LP	LENOIR CITY TN	203.8	APP	BSTA	-20070205AAI
24	WDR-L-TV	DANVILLE VA	209.0	CP	BPCDT	-20080317AIL
24	WDR-L-TV	DANVILLE VA	212.6	PLN	DTVPLN	-DTVP0902
25	WUNF-TV	ASHEVILLE NC	130.7	PLN	DTVPLN	-DTVP0922
25	WUNF-TV	ASHEVILLE NC	130.7	LIC	BLEDT	-20030401BAI
25	WUNF-TV	ASHEVILLE NC	130.7	CP	BPEDT	-20080619AEH
25	W25AY	JEFFERSON NC	31.7	LIC	BLTT	-19910123ID
27	WUNW	CANTON NC	131.1	APP	BMPEDT	-20080929AHM
27	WUNW	CANTON NC	131.1	CP	BPEDT	-20080402AAN
27	WCCB	CHARLOTTE NC	138.9	LIC	BLCDT	-20020227AAZ
27	WCCB	CHARLOTTE NC	138.9	PLN	DTVPLN	-DTVP0997
27	WKPT-TV	KINGSPORT TN	44.3	CP MOD	BMPCDT	-20050303AAJ
27	WKPT-TV	KINGSPORT TN	44.3	PLN	DTVPLN	-DTVP1010
31	WXII-TV	WINSTON-SALEM NC	120.4	LIC	BLCDT	-20050627AAU
31	WXII-TV	WINSTON-SALEM NC	120.4	PLN	DTVPLN	-DTVP1148
32	WUNL-TV	WINSTON-SALEM NC	120.6	LIC	BLEDT	-20020717AAH
32	WUNL-TV	WINSTON-SALEM NC	120.7	PLN	DTVPLN	-DTVP1185
32	WUNL-TV	WINSTON-SALEM NC	120.6	CP	BPEDT	-20080617AAL
32	WSBN-TV	NORTON VA	110.0	LIC	BLEDT	-20030428ABR
32	WSBN-TV	NORTON VA	110.0	PLN	DTVPLN	-DTVP1200
38	WEMT	GREENEVILLE TN	93.6	PLN	DTVPLN	-DTVP1378
39	WMYT-TV	ROCK HILL SC	109.1	CP MOD	BMPCDT	-20080319ADB
39	WMYT-TV	ROCK HILL SC	109.1	PLN	DTVPLN	-DTVP1412
39	WEMT	GREENEVILLE TN	93.6	LIC	BLCT	-20050411ABB
38	WEMT-DT	GREENEVILLE TN	43.1	APP	USERRECORD-01	

Proposal causes no interference

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#### Analysis of Interference to Affected Station 2

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
31	WAPW-CA	ABINGDON VA	BLTTA	-20030618AAZ

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
24	WKPI-TV	PIKEVILLE KY	65.1	LIC	BLEDT	-20020313ABL
24	WKPI-TV	PIKEVILLE KY	65.1	PLN	DTVPLN	-DTVP0878
27	WKPT-TV	KINGSPORT TN	43.6	CP MOD	BMPCDT	-20050303AAJ
27	WKPT-TV	KINGSPORT TN	43.7	PLN	DTVPLN	-DTVP1010
31	WFXG-DR	AUGUSTA GA	379.0	APP	BPRM	-20080620AON
31	WFXG	AUGUSTA GA	379.0	PLN	DTVPLN	-DTVP1133
31	WFXG	AUGUSTA GA	379.0	CP	BPCDT	-20090303ABA
31	WDKY-DR	DANVILLE KY	230.6	APP	BPRM	-20080620AOU
31	WDKY-TV	DANVILLE KY	230.6	PLN	DTVPLN	-DTVP1138
31	WDKY-TV	DANVILLE KY	230.6	CP	BPCDT	-20090323AEA
31	W3IAZ	HENDERSONVILLE NC	178.3	LIC	BLTTL	-19940525JJ
31	WUNU	LUMBERTON NC	354.0	CP MOD	BMPEDT	-20080617AAP
31	WUNU	LUMBERTON NC	354.0	PLN	DTVPLN	-DTVP1147
31	WUNU	LUMBERTON NC	354.0	LIC	BLET	-19960828KF
31	WXII-TV	WINSTON-SALEM NC	159.9	LIC	BLCDT	-20050627AAU
31	WXII-TV	WINSTON-SALEM NC	159.9	PLN	DTVPLN	-DTVP1148
31	W31CA	CHARLESTON WV	176.1	LIC	BLTT	-20020408AAL
32	WSBN-TV	NORTON VA	49.2	LIC	BLEDT	-20030428ABR
32	WSBN-TV	NORTON VA	49.2	PLN	DTVPLN	-DTVP1200
38	WEMT	GREENEVILLE TN	105.4	PLN	DTVPLN	-DTVP1378

**Table 2 WEMT-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 4 of 17)

46	WVVA	BLUEFIELD WV	93.1	CP MOD	BMPCDT	-20060707ABJ
46	WVVA	BLUEFIELD WV	93.0	PLN	DTVPLN	-DTVP1665
38	WEMT-DT	GREENEVILLE TN	41.4	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

#####

#### Analysis of Interference to Affected Station 3

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
36	WAPK-CA	KINGSPORT TN	BLTTA	-20030618AAZ

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	WSBN-TV	NORTON VA	67.5	LIC	BLEDT	-20030428ABR
32	WSBN-TV	NORTON VA	67.5	PLN	DTVPLN	-DTVP1200
35	WKHA	HAZARD KY	126.1	LIC	BLET	-19810303KE
36	WATL	ATLANTA GA	353.8	LIC	BLCT	-20020816AAH
36	WCNC-TV	CHARLOTTE NC	148.7	LIC	BLCT	-19880914KF
36	WFPX	FAYETTEVILLE NC	325.7	LIC	BLCDT	-20021025AAD
36	WFPX	FAYETTEVILLE NC	325.7	PLN	DTVPLN	-DTVP1335
36	WUNP-TV	ROANOKE RAPIDS NC	385.3	APP	BSTA	-20090223AAG
36	WUNP-TV	ROANOKE RAPIDS NC	385.3	PLN	DTVPLN	-DTVP1336
36	WUNP-TV	ROANOKE RAPIDS NC	385.3	CP MOD	BMPEDT	-20080617AAN
36	WUNP-TV	ROANOKE RAPIDS NC	385.3	LIC	BMLET	-20041104ARF
36	WYFF	GREENVILLE SC	152.7	CP	BPCDT	-20080317ABT
36	WYFF	GREENVILLE SC	152.7	PLN	DTVPLN	-DTVP1345
36	WDLY-LP	GATLINBURG TN	153.6	CP	BP TTL	-20070411AAD
36	WPXR	ROANOKE VA	195.5	LIC	BLCDT	-20020510AAB
36	WPXR	ROANOKE VA	195.5	PLN	DTVPLN	-DTVP1351
38	WEMT	GREENEVILLE TN	68.9	PLN	DTVPLN	-DTVP1378
40	WHKY-TV	HICKORY NC	106.2	LIC	BLCDT	-20060630ABW
40	WHKY-TV	HICKORY NC	106.2	PLN	DTVPLN	-DTVP1441
40	WHKY-TV	HICKORY NC	108.2	CP	BPCDT	-20080619AAH
40	WLFB	BLUEFIELD WV	117.2	PLN	DTVPLN	-DTVP1457
40	WLFB	BLUEFIELD WV	117.2	CP	BPCDT	-20080317AIS
51	WAGV	HARLAN KY	117.9	LIC	BLCDT	-20061012AAS
51	WAGV	HARLAN KY	117.9	PLN	DTVPLN	-DTVP1798
51	WAPV-LP	HONAKER VA	69.6	LIC	BLTT	-19810601IN
38	WEMT-DT	GREENEVILLE TN	3.3	APP	USERRECORD-01	

Proposal causes no interference

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#### Analysis of Interference to Affected Station 4

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
38	WKT-B-CA	ATLANTA GA	BLTTA	-20030701BBJ

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	WBMG-LP	MOODY AL	213.8	LIC	BLTTL	-19970804JG

**Table 2 WEMT-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 5 of 17)

38	W38DW	BLAIRSVILLE GA	75.2	LIC	BLTTL	-20080626ACE
38	WEMT	GREENEVILLE TN	270.5	PLN	DTVPLN	-DTVPI378
38	WHTN	MURFREESBORO TN	314.9	LIC	BLCDT	-20060627AAY
38	WHTN	MURFREESBORO TN	314.9	PLN	DTVPLN	-DTVPI379
39	WSB-TV	ATLANTA GA	22.5	LIC	BLCDT	-20041020ADC
39	WSB-TV	ATLANTA GA	22.5	PLN	DTVPLN	-DTVPI395
39	WSB-TV	ATLANTA GA	22.5	CP	BPCDT	-20080619ACR
40	WMGT-TV	MACON GA	142.3	LIC	BLCDT	-20070112AHJ
40	WMGT-TV	MACON GA	142.3	PLN	DTVPLN	-DTVPI431
41	WATC	ATLANTA GA	28.6	CP	BPEDT	-20080619AIR
41	WATC	ATLANTA GA	28.6	PLN	DTVPLN	-DTVPI464
41	WATC	ATLANTA GA	28.6	LIC	BLEDT	-20070912AAT
45	WGNM	MACON GA	141.3	LIC	BLCDT	-20050621CRQ
45	WGNM	MACON GA	141.3	PLN	DTVPLN	-DTVPI608
53	WDTA-LP	FAYETTEVILLE GA	23.5	LIC	BLTTL	-20010613ACA
38	WEMT-DT	GREENEVILLE TN	339.7	APP	USERRECORD-01	

Proposal causes no interference

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#### Analysis of Interference to Affected Station 5

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
38	WKTG-CA	ATLANTA GA	BPTTA -20030624ABT

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	WBMG-LP	MOODY AL	213.8	LIC	BLTTL -19970804JG
38	W38DW	BLAIRSVILLE GA	75.2	LIC	BLTTL -20080626ACE
38	WEMT	GREENEVILLE TN	270.5	PLN	DTVPLN -DTVPI378
38	WHTN	MURFREESBORO TN	314.9	LIC	BLCDT -20060627AAY
38	WHTN	MURFREESBORO TN	314.9	PLN	DTVPLN -DTVPI379
39	WSB-TV	ATLANTA GA	22.5	LIC	BLCDT -20041020ADC
39	WSB-TV	ATLANTA GA	22.5	PLN	DTVPLN -DTVPI395
39	WSB-TV	ATLANTA GA	22.5	CP	BPCDT -20080619ACR
40	WMGT-TV	MACON GA	142.3	LIC	BLCDT -20070112AHJ
40	WMGT-TV	MACON GA	142.3	PLN	DTVPLN -DTVPI431
41	WATC	ATLANTA GA	28.6	CP	BPEDT -20080619AIR
41	WATC	ATLANTA GA	28.6	PLN	DTVPLN -DTVPI464
41	WATC	ATLANTA GA	28.6	LIC	BLEDT -20070912AAT
45	WGNM	MACON GA	141.3	LIC	BLCDT -20050621CRQ
45	WGNM	MACON GA	141.3	PLN	DTVPLN -DTVPI608
53	WDTA-LP	FAYETTEVILLE GA	23.5	LIC	BLTTL -20010613ACA
38	WEMT-DT	GREENEVILLE TN	339.7	APP	USERRECORD-01

Proposal causes no interference

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#### Analysis of Interference to Affected Station 6

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
38	WKMJ-TV	LOUISVILLE KY	BLEDT -20030410AAK

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	WBMG-LP	MOODY AL	213.8	LIC	BLTTL -19970804JG
38	W38DW	BLAIRSVILLE GA	75.2	LIC	BLTTL -20080626ACE
38	WEMT	GREENEVILLE TN	270.5	PLN	DTVPLN -DTVPI378
38	WHTN	MURFREESBORO TN	314.9	LIC	BLCDT -20060627AAY
38	WHTN	MURFREESBORO TN	314.9	PLN	DTVPLN -DTVPI379
39	WSB-TV	ATLANTA GA	22.5	LIC	BLCDT -20041020ADC
39	WSB-TV	ATLANTA GA	22.5	PLN	DTVPLN -DTVPI395
39	WSB-TV	ATLANTA GA	22.5	CP	BPCDT -20080619ACR
40	WMGT-TV	MACON GA	142.3	LIC	BLCDT -20070112AHJ
40	WMGT-TV	MACON GA	142.3	PLN	DTVPLN -DTVPI431
41	WATC	ATLANTA GA	28.6	CP	BPEDT -20080619AIR
41	WATC	ATLANTA GA	28.6	PLN	DTVPLN -DTVPI464
41	WATC	ATLANTA GA	28.6	LIC	BLEDT -20070912AAT
45	WGNM	MACON GA	141.3	LIC	BLCDT -20050621CRQ
45	WGNM	MACON GA	141.3	PLN	DTVPLN -DTVPI608
53	WDTA-LP	FAYETTEVILLE GA	23.5	LIC	BLTTL -20010613ACA
38	WEMT-DT	GREENEVILLE TN	339.7	APP	USERRECORD-01

Proposal causes no interference

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**Table 2 WEMT-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 6 of 17)

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	WGBO-TV	JOLIET IL	421.0	CP MOD	BMPCDT -20080618AEI
38	WGBO-TV	JOLIET IL	421.0	PLN	DTVPLN -DTVPI362
38	WOSU-TV	COLUMBUS OH	319.9	LIC	BLEDT -20040130AHB
38	WOSU-TV	COLUMBUS OH	319.9	PLN	DTVPLN -DTVPI375
38	WOSU-TV	COLUMBUS OH	319.9	APP	BPEDT -20080620ADY
38	WEMT	GREENEVILLE TN	379.4	PLN	DTVPLN -DTVPI378
38	WHTN	MURFREESBORO TN	259.4	LIC	BLCDT -20060627AAY
38	WHTN	MURFREESBORO TN	259.4	PLN	DTVPLN -DTVPI379
39	WKOI-TV	RICHMOND IN	164.0	LIC	BLCDT -20050920ABV
39	WKOI-TV	RICHMOND IN	164.0	PLN	DTVPLN -DTVPI401
39	WKOI-TV	RICHMOND IN	164.0	CP	BPCDT -20080618ATM
39	WFXW	TERRE HAUTE IN	166.5	CP MOD	BMPCDT -20070125ACT
39	WFXW	TERRE HAUTE IN	166.5	PLN	DTVPLN -DTVPI402
39	WLEX-TV	LEXINGTON KY	130.9	CP MOD	BMPCDT -20050728AOP
39	WLEX-TV	LEXINGTON KY	130.9	PLN	DTVPLN -DTVPI403
38	WEMT-DT	GREENEVILLE TN	391.7	APP	USERRECORD-01

Proposal causes no interference

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#### Analysis of Interference to Affected Station 7

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
38	WKMJ-TV	LOUISVILLE KY	DTVPLN -DTVPI364

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	WGBO-TV	JOLIET IL	421.0	CP MOD	BMPCDT -20080618AEI
38	WGBO-TV	JOLIET IL	421.0	PLN	DTVPLN -DTVPI362
38	WOSU-TV	COLUMBUS OH	319.9	LIC	BLEDT -20040130AHB
38	WOSU-TV	COLUMBUS OH	319.9	PLN	DTVPLN -DTVPI375
38	WOSU-TV	COLUMBUS OH	319.9	APP	BPEDT -20080620ADY
38	WEMT	GREENEVILLE TN	379.4	PLN	DTVPLN -DTVPI378
38	WHTN	MURFREESBORO TN	259.4	LIC	BLCDT -20060627AAY
38	WHTN	MURFREESBORO TN	259.4	PLN	DTVPLN -DTVPI379
39	WKOI-TV	RICHMOND IN	164.0	LIC	BLCDT -20050920ABV
39	WKOI-TV	RICHMOND IN	164.0	PLN	DTVPLN -DTVPI401
39	WKOI-TV	RICHMOND IN	164.0	CP	BPCDT -20080618ATM
39	WFXW	TERRE HAUTE IN	166.5	CP MOD	BMPCDT -20070125ACT
39	WFXW	TERRE HAUTE IN	166.5	PLN	DTVPLN -DTVPI402
39	WLEX-TV	LEXINGTON KY	130.9	CP MOD	BMPCDT -20050728AOP
39	WLEX-TV	LEXINGTON KY	130.9	PLN	DTVPLN -DTVPI403
38	WEMT-DT	GREENEVILLE TN	391.7	APP	USERRECORD-01

Proposal causes no interference

#####

#### Analysis of Interference to Affected Station 8

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
38	WUVC-TV	FAYETTEVILLE NC	BLCDT -20060912ACZ

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	WBMG-LP	MOODY AL	213.8	LIC	BLTTL -19970804JG
38	W38DW	BLAIRSVILLE GA	75.2	LIC	BLTTL -20080626ACE
38	WEMT	GREENEVILLE TN	270.5	PLN	DTVPLN -DTVPI378
38	WHTN	MURFREESBORO TN	314.9	LIC	BLCDT -20060627AAY
38	WHTN	MURFREESBORO TN	314.9	PLN	DTVPLN -DTVPI379
39	WSB-TV	ATLANTA GA	22.5	LIC	BLCDT -20041020ADC
39	WSB-TV	ATLANTA GA	22.5	PLN	DTVPLN -DTVPI395
39	WSB-TV	ATLANTA GA	22.5	CP	BPCDT -20080619ACR
40	WMGT-TV	MACON GA	142.3	LIC	BLCDT -20070112AHJ
40	WMGT-TV	MACON GA	142.3	PLN	DTVPLN -DTVPI431
41	WATC	ATLANTA GA	28.6	CP	BPEDT -20080619AIR
41	WATC	ATLANTA GA	28.6	PLN	DTVPLN -DTVPI464
41	WATC	ATLANTA GA	28.6	LIC	BLEDT -20070912AAT
45	WGNM	MACON GA	141.3	LIC	BLCDT -20050621CRQ
45	WGNM	MACON GA	141.3	PLN	DTVPLN -DTVPI608
53	WDTA-LP	FAYETTEVILLE GA	23.5	LIC	BLTTL -20010613ACA
38	WEMT-DT	GREENEVILLE TN	339.7	APP	USERRECORD-01

Proposal causes no interference

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**Table 2 WEMT-DT OET Bulletin 69 Interference Study**

(worst-case scenarios shown page 7 of 17)

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	WPJT-DT	GEORGETOWN SC	186.6	CP MOD	BMPEDT	-20040503AFV
38	WPJT-DT	GEORGETOWN SC	186.6	PLN	DTVPLN	-DTVPl377
38	WEMT	GREENEVILLE TN	341.8	PLN	DTVPLN	-DTVPl378
39	WMYT-TV	ROCK HILL SC	197.9	CP MOD	BMPCDT	-20080319ADB
39	WMYT-TV	ROCK HILL SC	197.9	PLN	DTVPLN	-DTVPl412
39	WKTC	SUMTER SC	225.0	LIC	BLCDT	-20071022BDD
39	WKTC	SUMTER SC	225.0	PLN	DTVPLN	-DTVPl413
38	WEMT-DT	GREENEVILLE TN	300.2	APP	USERRECORD-01	

Total scenarios = 4

Result key: 1  
Scenario 1 Affected station 8  
Before Analysis

Results for: 38A NC FAYETTEVILLE BLCDDT 20060912ACZ LIC  
HAAT 509.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2932642	34309.6
not affected by terrain losses	2916375	33793.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	17520	387.3
lost to ATV IX only	17520	387.3
lost to all IX	17520	387.3

Potential Interfering Stations Included in above Scenario 1

38A SC GEORGETOWN	BMPEDT	20040503AFV	CP
39A SC ROCK HILL	BMPCDT	20080319ADB	CP
38A TN GREENEVILLE	DTVPLN	DTVPl378	PLN

After Analysis

Results for: 38A NC FAYETTEVILLE BLCDDT 20060912ACZ LIC  
HAAT 509.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2932642	34309.6
not affected by terrain losses	2916375	33793.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	17729	399.4
lost to ATV IX only	17729	399.4
lost to all IX	17729	399.4

Potential Interfering Stations Included in above Scenario 1

38A SC GEORGETOWN	BMPEDT	20040503AFV	CP
39A SC ROCK HILL	BMPCDT	20080319ADB	CP
38A TN GREENEVILLE	USERRECORD01		APP

Percent new IX = 0.0072%

Worst case new IX 0.0072% Scenario 1

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Analysis of Interference to Affected Station 9

Analysis of current record

**Table 2 WEMT-DT OET Bulletin 69 Interference Study**

(worst-case scenarios shown page 8 of 17)

Channel	Call	City/State	Application	Ref. No.
38	WUVC-TV	FAYETTEVILLE NC	DTVPLN	-DTVPl369

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	WPJT-DT	GEORGETOWN SC	186.6	CP MOD	BMPEDT	-20040503AFV
38	WPJT-DT	GEORGETOWN SC	186.6	PLN	DTVPLN	-DTVPl377
38	WEMT	GREENEVILLE TN	341.8	PLN	DTVPLN	-DTVPl378
39	WMYT-TV	ROCK HILL SC	197.9	CP MOD	BMPCDT	-20080319ADB
39	WMYT-TV	ROCK HILL SC	197.9	PLN	DTVPLN	-DTVPl412
39	WKTC	SUMTER SC	225.0	LIC	BLCDT	-20071022BDD
39	WKTC	SUMTER SC	225.0	PLN	DTVPLN	-DTVPl413
38	WEMT-DT	GREENEVILLE TN	300.2	APP	USERRECORD-01	

Total scenarios = 4

Result key: 5  
Scenario 1 Affected station 9  
Before Analysis

Results for: 38A NC FAYETTEVILLE DTVPLN DTVPl369 PLN  
HAAT 509.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2932642	34309.6
not affected by terrain losses	2916375	33793.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	17520	387.3
lost to ATV IX only	17520	387.3
lost to all IX	17520	387.3

Potential Interfering Stations Included in above Scenario 1

38A SC GEORGETOWN	BMPEDT	20040503AFV	CP
39A SC ROCK HILL	BMPCDT	20080319ADB	CP
38A TN GREENEVILLE	DTVPLN	DTVPl378	PLN

After Analysis

Results for: 38A NC FAYETTEVILLE DTVPLN DTVPl369 PLN  
HAAT 509.0 m, ATV ERP 500.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2932642	34309.6
not affected by terrain losses	2916375	33793.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	17729	399.4
lost to ATV IX only	17729	399.4
lost to all IX	17729	399.4

Potential Interfering Stations Included in above Scenario 1

38A SC GEORGETOWN	BMPEDT	20040503AFV	CP
39A SC ROCK HILL	BMPCDT	20080319ADB	CP
38A TN GREENEVILLE	USERRECORD01		APP

Percent new IX = 0.0072%

Worst case new IX 0.0072% Scenario 1

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**Table 2 WEMT-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 9 of 17)

Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application Ref. No.
38	WBQC-CA	CINCINNATI OH	BLTTA -20041221ABW

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
30	WRGT-TV	DAYTON OH	69.8	CP	BPCDT -19991101ADJ
30	WRGT-TV	DAYTON OH	69.8	PLN	DTVPLN -DTVPI1111
31	WDKY-DR	DANVILLE KY	139.2	APP	BPRM -20080620AOU
31	WDKY-TV	DANVILLE KY	139.2	PLN	DTVPLN -DTVPI1138
31	WDKY-TV	DANVILLE KY	139.2	CP	BPCDT -20090323AEA
34	WCET	CINCINNATI OH	2.0	LIC	BLEDT -20061031AAR
34	WCET	CINCINNATI OH	2.0	PLN	DTVPLN -DTVPI265
35	WLWT	CINCINNATI OH	2.0	LIC	BLCDT -20050502ABC
35	WLWT	CINCINNATI OH	2.0	PLN	DTVPLN -DTVPI302
38	WFXW	TERRE HAUTE IN	249.8	LIC	BLCT -20031022AAD
38	WKMJ-TV	LOUISVILLE KY	143.0	LIC	BLEDT -20030410AAK
38	WKMJ-TV	LOUISVILLE KY	143.0	PLN	DTVPLN -DTVPI364
38	WKMR	MOREHEAD KY	141.8	LIC	BLET -19830725KL
38	WSYM-TV	LANSING MI	371.7	CP MOD	BMPCDT -20060602ABQ
38	WSYM-TV	LANSING MI	371.7	PLN	DTVPLN -DTVPI368
38	WOSU-TV	COLUMBUS OH	177.2	LIC	BLEDT -20040130AAB
38	WOSU-TV	COLUMBUS OH	177.2	PLN	DTVPLN -DTVPI375
38	WOSU-TV	COLUMBUS OH	177.2	APP	BPEDT -20080620ADY
38	WEMT	GREENEVILLE TN	378.8	PLN	DTVPLN -DTVPI378
38	WHTN	MURFREESBORO TN	378.5	LIC	BLCDT -20060627AAY
38	WHTN	MURFREESBORO TN	378.5	PLN	DTVPLN -DTVPI379
39	WKOI-TV	RICHMOND IN	44.6	LIC	BLCDT -20050920ABV
39	WKOI-TV	RICHMOND IN	44.6	PLN	DTVPLN -DTVPI1401
39	WKOI-TV	RICHMOND IN	44.6	CP	BPCDT -20080618ATM
39	WLEX-TV	LEXINGTON KY	121.6	CP MOD	BMPCDT -20050728AOP
39	WLEX-TV	LEXINGTON KY	121.6	PLN	DTVPLN -DTVPI403
40	WTVQ-TV	LEXINGTON KY	121.6	LIC	BLCDT -20050728AMX
40	WTVQ-TV	LEXINGTON KY	121.6	PLN	DTVPLN -DTVPI434
40	WTVQ-TV	LEXINGTON KY	121.6	CP	BPCDT -20081216BJH
41	WDRB	LOUISVILLE KY	145.3	CP	BPCT -20050722ACB
41	WHIO-TV	DAYTON OH	71.0	LIC	BLCDT -20040614AEY
41	WHIO-TV	DAYTON OH	71.0	PLN	DTVPLN -DTVPI479
41	WHIO-TV	DAYTON OH	71.0	APP	BPCDT -20080619ACK
42	WCLJ-TV	BLOOMINGTON IN	145.2	CP	BPCDT -20080618ATP
42	WCLJ-TV	BLOOMINGTON IN	145.2	PLN	DTVPLN -DTVPI501
42	WKLE	LEXINGTON KY	139.3	LIC	BLEDT -20060926AJQ
42	WKLE	LEXINGTON KY	139.3	PLN	DTVPLN -DTVPI503
42	WPBO	PORTSMOUTH OH	130.7	APP	BSTA -20080429ABI
42	WPBO	PORTSMOUTH OH	130.7	LIC	BLET -19930707KE
46	WWHO	CHILLICOTHE OH	129.8	LIC	BLCDT -20021025AAA
46	WWHO	CHILLICOTHE OH	129.8	PLN	DTVPLN -DTVPI652
52	WKON	OWENTON KY	71.9	LIC	BLET -19830812KP
53	WWHO	CHILLICOTHE OH	129.8	LIC	BLCT -19980731KK
38	WEMT-DT	GREENEVILLE TN	364.0	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 11

**Table 2 WEMT-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 10 of 17)

Analysis of current record

Channel	Call	City/State	Application Ref. No.
38	WOSU-TV	COLUMBUS OH	BLEDT -20040130AAB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	WKMJ-TV	LOUISVILLE KY	319.9	LIC	BLEDT -20030410AAK
38	WKMJ-TV	LOUISVILLE KY	319.9	PLN	DTVPLN -DTVPI364
38	WSYM-TV	LANSING MI	294.4	CP MOD	BMPCDT -20060602ABQ
38	WSYM-TV	LANSING MI	294.4	PLN	DTVPLN -DTVPI368
38	WQEX	PITTSBURGH PA	252.8	CP MOD	BMPCDT -20080620AAM
38	WQEX	PITTSBURGH PA	252.8	PLN	DTVPLN -DTVPI376
39	WKOI-TV	RICHMOND IN	162.9	LIC	BLCDT -20050920ABV
39	WKOI-TV	RICHMOND IN	162.9	PLN	DTVPLN -DTVPI1401
39	WKOI-TV	RICHMOND IN	162.9	CP	BPCDT -20080618ATM
39	WDLI-TV	CANTON OH	150.0	LIC	BLCDT -20030421ABK
39	WDLI-TV	CANTON OH	150.0	PLN	DTVPLN -DTVPI409
39	WLFX-TV	CHARLESTON WV	212.1	LIC	BLCDT -20020510AAM
39	WLFX-TV	CHARLESTON WV	212.1	PLN	DTVPLN -DTVPI421
38	WEMT-DT	GREENEVILLE TN	418.4	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application Ref. No.
38	WOSU-TV	COLUMBUS OH	DTVPLN -DTVPI375

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	WKMJ-TV	LOUISVILLE KY	319.9	LIC	BLEDT -20030410AAK
38	WKMJ-TV	LOUISVILLE KY	319.9	PLN	DTVPLN -DTVPI364
38	WSYM-TV	LANSING MI	294.4	CP MOD	BMPCDT -20060602ABQ
38	WSYM-TV	LANSING MI	294.4	PLN	DTVPLN -DTVPI368
38	WQEX	PITTSBURGH PA	252.8	CP MOD	BMPCDT -20080620AAM
38	WQEX	PITTSBURGH PA	252.8	PLN	DTVPLN -DTVPI376
39	WKOI-TV	RICHMOND IN	162.9	LIC	BLCDT -20050920ABV
39	WKOI-TV	RICHMOND IN	162.9	PLN	DTVPLN -DTVPI1401
39	WKOI-TV	RICHMOND IN	162.9	CP	BPCDT -20080618ATM
39	WDLI-TV	CANTON OH	150.0	LIC	BLCDT -20030421ABK
39	WDLI-TV	CANTON OH	150.0	PLN	DTVPLN -DTVPI409
39	WLFX-TV	CHARLESTON WV	212.1	LIC	BLCDT -20020510AAM
39	WLFX-TV	CHARLESTON WV	212.1	PLN	DTVPLN -DTVPI421
38	WEMT-DT	GREENEVILLE TN	418.4	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 13



**Table 2 WEMT-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 11 of 17)

Channel	Call	City/State	Application Ref. No.
38	WOSU-TV	COLUMBUS OH	BPEDT -20080620ADY

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	WKMJ-TV	LOUISVILLE KY	319.9	LIC	BLEDT -20030410AAK
38	WKMJ-TV	LOUISVILLE KY	319.9	PLN	DTVPLN -DTVPI364
38	WSYM-TV	LANSING MI	294.4	CP MOD	BMPCDT -20060602ABQ
38	WSYM-TV	LANSING MI	294.4	PLN	DTVPLN -DTVPI368
38	WQEX	PITTSBURGH PA	252.8	CP MOD	BMPCDT -20080620AAM
38	WQEX	PITTSBURGH PA	252.8	PLN	DTVPLN -DTVPI376
39	WKOI-TV	RICHMOND IN	162.9	LIC	BLCDT -20050920ABV
39	WKOI-TV	RICHMOND IN	162.9	PLN	DTVPLN -DTVPI401
39	WKOI-TV	RICHMOND IN	162.9	CP	BPCDT -20080618ATM
39	WDLI-TV	CANTON OH	150.0	LIC	BLCDT -20030421ABK
39	WDLI-TV	CANTON OH	150.0	PLN	DTVPLN -DTVPI409
39	WLPX-TV	CHARLESTON WV	212.1	LIC	BLCDT -20020510AAM
39	WLPX-TV	CHARLESTON WV	212.1	PLN	DTVPLN -DTVPI421
38	WEMT-DT	GREENEVILLE TN	418.4	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 14

Channel	Call	City/State	Application Ref. No.
38	WPJT-DT	GEORGETOWN SC	BMPCDT -20040503AFV

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	WUVC-TV	FAYETTEVILLE NC	186.6	LIC	BLCDT -20060912ACZ
38	WUVC-TV	FAYETTEVILLE NC	186.6	PLN	DTVPLN -DTVPI369
38	WEMT	GREENEVILLE TN	427.7	PLN	DTVPLN -DTVPI378
39	WKTC	SUMTER SC	178.9	LIC	BLCDT -20071022BDD
39	WKTC	SUMTER SC	178.9	PLN	DTVPLN -DTVPI413
38	WEMT-DT	GREENEVILLE TN	414.5	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 15

Channel	Call	City/State	Application Ref. No.
38	WPJT-DT	GEORGETOWN SC	DTVPLN -DTVPI377

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	WUVC-TV	FAYETTEVILLE NC	186.6	LIC	BLCDT -20060912ACZ
38	WUVC-TV	FAYETTEVILLE NC	186.6	PLN	DTVPLN -DTVPI369

**Table 2 WEMT-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 12 of 17)

38	WEMT	GREENEVILLE TN	427.7	PLN	DTVPLN	-DTVPI378
39	WKTC	SUMTER SC	178.9	LIC	BLCDT	-20071022BDD
39	WKTC	SUMTER SC	178.9	PLN	DTVPLN	-DTVPI413
38	WEMT-DT	GREENEVILLE TN	414.5	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 16

Channel	Call	City/State	Application Ref. No.
38	WHTN	MURFREESBORO TN	BLCDT -20060627AAY

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	WKMJ-TV	LOUISVILLE KY	259.4	LIC	BLEDT -20030410AAK
38	WKMJ-TV	LOUISVILLE KY	259.4	PLN	DTVPLN -DTVPI364
38	WEMT	GREENEVILLE TN	333.9	PLN	DTVPLN -DTVPI378
38	WEMT-DT	GREENEVILLE TN	389.5	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 17

Channel	Call	City/State	Application Ref. No.
38	WHTN	MURFREESBORO TN	DTVPLN -DTVPI379

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	WKMJ-TV	LOUISVILLE KY	259.4	LIC	BLEDT -20030410AAK
38	WKMJ-TV	LOUISVILLE KY	259.4	PLN	DTVPLN -DTVPI364
38	WEMT	GREENEVILLE TN	333.9	PLN	DTVPLN -DTVPI378
38	WEMT-DT	GREENEVILLE TN	389.5	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 18

Channel	Call	City/State	Application Ref. No.
39	WMYT-TV	ROCK HILL SC	BMPCDT -20080319ADB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	WUVC-TV	FAYETTEVILLE NC	197.9	LIC	BLCDT -20060912ACZ

**Table 2 WEMT-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 13 of 17)

38	WUVC-TV	FAYETTEVILLE NC	197.9	PLN	DTVPLN	-DTVPI369
38	WEMT	GREENEVILLE TN	158.9	PLN	DTVPLN	-DTVPI378
39	WSB-TV	ATLANTA GA	343.0	LIC	BLCDT	-20041020ADC
39	WSB-TV	ATLANTA GA	343.0	PLN	DTVPLN	-DTVPI395
39	WSB-TV	ATLANTA GA	343.0	CP	BPCDT	-20080619ACR
39	WSAV-TV	SAVANNAH GA	367.4	LIC	BLCDT	-20050705AAP
39	WSAV-TV	SAVANNAH GA	367.4	PLN	DTVPLN	-DTVPI396
39	WLEX-TV	LEXINGTON KY	414.1	CP MOD	BMPCDT	-20050728AOP
39	WLEX-TV	LEXINGTON KY	414.1	PLN	DTVPLN	-DTVPI403
39	WKTC	SUMTER SC	143.0	LIC	BLCDT	-20071022BDD
39	WKTC	SUMTER SC	143.0	PLN	DTVPLN	-DTVPI413
39	WLFX-TV	CHARLESTON WV	349.8	LIC	BLCDT	-20020510AAM
39	WLFX-TV	CHARLESTON WV	349.8	PLN	DTVPLN	-DTVPI421
40	WHKY-TV	HICKORY NC	44.2	LIC	BLCDT	-20060630ABW
40	WHKY-TV	HICKORY NC	44.2	PLN	DTVPLN	-DTVPI441
40	WHKY-TV	HICKORY NC	40.0	CP	BPCDT	-20080619AAH
40	WLFB	BLUEFIELD WV	206.6	PLN	DTVPLN	-DTVPI457
40	WLFB	BLUEFIELD WV	206.6	CP	BPCDT	-20080317AIS
38	WEMT-DT	GREENEVILLE TN	148.2	APP	USERRECORD-01	

Total scenarios = 36

Result key: 11  
Scenario 3 Affected station 18  
Before Analysis

Results for: 39A SC ROCK HILL BMPCDT 20080319ADB CP  
HAAT 571.0 m, ATV ERP 225.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2953090	34701.0
not affected by terrain losses	2871055	33004.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	94658	3042.1
lost to ATV IX only	94658	3042.1
lost to all IX	94658	3042.1

Potential Interfering Stations Included in above Scenario 3

39A GA ATLANTA	BLCDT	20041020ADC	LIC
39A GA SAVANNAH	BLCDT	20050705AAP	LIC
39A SC SUMTER	BLCDT	20071022BDD	LIC
40A NC HICKORY	BPCDT	20080619AAH	CP

After Analysis

Results for: 39A SC ROCK HILL BMPCDT 20080319ADB CP  
HAAT 571.0 m, ATV ERP 225.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2953090	34701.0
not affected by terrain losses	2871055	33004.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	94845	3046.1
lost to ATV IX only	94845	3046.1
lost to all IX	94845	3046.1

Potential Interfering Stations Included in above Scenario 3

39A GA ATLANTA	BLCDT	20041020ADC	LIC
39A GA SAVANNAH	BLCDT	20050705AAP	LIC
39A SC SUMTER	BLCDT	20071022BDD	LIC
40A NC HICKORY	BPCDT	20080619AAH	CP
38A TN GREENEVILLE	USERRECORD01		APP

**Table 2 WEMT-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 14 of 17)

Percent new IX = 0.0067%

Worst case new IX 0.0067% Scenario 3

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Analysis of Interference to Affected Station 19

Analysis of current record  
Channel Call City/State Application Ref. No.  
39 WMYT-TV ROCK HILL SC DTVPLN -DTVPI412

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	WUVC-TV	FAYETTEVILLE NC	197.9	LIC	BLCDT -20060912ACZ
38	WUVC-TV	FAYETTEVILLE NC	197.9	PLN	DTVPLN -DTVPI369
38	WEMT	GREENEVILLE TN	158.9	PLN	DTVPLN -DTVPI378
39	WSB-TV	ATLANTA GA	343.0	LIC	BLCDT -20041020ADC
39	WSB-TV	ATLANTA GA	343.0	PLN	DTVPLN -DTVPI395
39	WSB-TV	ATLANTA GA	343.0	CP	BPCDT -20080619ACR
39	WSAV-TV	SAVANNAH GA	367.4	LIC	BLCDT -20050705AAP
39	WSAV-TV	SAVANNAH GA	367.4	PLN	DTVPLN -DTVPI396
39	WLEX-TV	LEXINGTON KY	414.1	CP MOD	BMPCDT -20050728AOP
39	WLEX-TV	LEXINGTON KY	414.1	PLN	DTVPLN -DTVPI403
39	WKTC	SUMTER SC	143.0	LIC	BLCDT -20071022BDD
39	WKTC	SUMTER SC	143.0	PLN	DTVPLN -DTVPI413
39	WLFX-TV	CHARLESTON WV	349.8	LIC	BLCDT -20020510AAM
39	WLFX-TV	CHARLESTON WV	349.8	PLN	DTVPLN -DTVPI421
40	WHKY-TV	HICKORY NC	44.2	LIC	BLCDT -20060630ABW
40	WHKY-TV	HICKORY NC	44.2	PLN	DTVPLN -DTVPI441
40	WHKY-TV	HICKORY NC	40.0	CP	BPCDT -20080619AAH
40	WLFB	BLUEFIELD WV	206.6	PLN	DTVPLN -DTVPI457
40	WLFB	BLUEFIELD WV	206.6	CP	BPCDT -20080317AIS
38	WEMT-DT	GREENEVILLE TN	148.2	APP	USERRECORD-01

Total scenarios = 36

Result key: 47  
Scenario 3 Affected station 19  
Before Analysis

Results for: 39A SC ROCK HILL DTVPLN DTVPI412 PLN  
HAAT 595.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2959844	34828.3
not affected by terrain losses	2870869	33015.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	87806	2922.3
lost to ATV IX only	87806	2922.3
lost to all IX	87806	2922.3

Potential Interfering Stations Included in above Scenario 3

39A GA ATLANTA	BLCDT	20041020ADC	LIC
39A GA SAVANNAH	BLCDT	20050705AAP	LIC
39A SC SUMTER	BLCDT	20071022BDD	LIC
40A NC HICKORY	BPCDT	20080619AAH	CP

**Table 2 WEMT-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 15 of 17)

After Analysis

Results for: 39A SC ROCK HILL DTVP1412 PLN  
HAAT 595.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2959844	34828.3
not affected by terrain losses	2870869	33015.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	88109	2930.3
lost to ATV IX only	88109	2930.3
lost to all IX	88109	2930.3

Potential Interfering Stations Included in above Scenario 3

39A GA ATLANTA	BLCDDT	20041020ADC	LIC
39A GA SAVANNAH	BLCDDT	20050705AAP	LIC
39A SC SUMTER	BLCDDT	20071022BDD	LIC
40A NC HICKORY	BPCDDT	20080619AAH	CP
38A TN GREENEVILLE	USERRECORD01		APP

Percent new IX = 0.0109%

Worst case new IX 0.0109% Scenario 3

#####

#### Analysis of Interference to Affected Station 20

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	WLPX-TV	CHARLESTON WV	BLCDDT	-20020510AAM

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	WOSU-TV	COLUMBUS OH	212.1	LIC	BLEDT	-20040130AAB
38	WOSU-TV	COLUMBUS OH	212.1	PLN	DTVP1412	-DTVP1375
38	WOSU-TV	COLUMBUS OH	212.1	APP	BPEDT	-20080620ADY
39	WKOI-TV	RICHMOND IN	272.8	LIC	BLCDDT	-20050920ABV
39	WKOI-TV	RICHMOND IN	272.8	PLN	DTVP1401	-DTVP1401
39	WKOI-TV	RICHMOND IN	272.8	CP	BPCDDT	-20080618ATM
39	WLEX-TV	LEXINGTON KY	233.6	CP MOD	BMPCDDT	-20050728AOP
39	WLEX-TV	LEXINGTON KY	233.6	PLN	DTVP1403	-DTVP1403
39	WJAL	HAGERSTOWN MD	364.1	CP MOD	BMPCDDT	-20081008ABR
39	WJAL	HAGERSTOWN MD	364.2	PLN	DTVP1405	-DTVP1405
39	WDLI-TV	CANTON OH	287.8	LIC	BLCDDT	-20030421ABK
39	WDLI-TV	CANTON OH	287.8	PLN	DTVP1409	-DTVP1409
39	WMYT-TV	ROCK HILL SC	349.8	CP MOD	BMPCDDT	-20080319ADB
39	WMYT-TV	ROCK HILL SC	349.8	PLN	DTVP1412	-DTVP1412
40	WHIZ-TV	ZANESVILLE OH	163.1	CP MOD	BMPCDDT	-20071022BPE
40	WHIZ-TV	ZANESVILLE OH	163.1	PLN	DTVP1446	-DTVP1446
40	WLFB	BLUEFIELD WV	146.2	PLN	DTVP1457	-DTVP1457
40	WLFB	BLUEFIELD WV	146.2	CP	BPCDDT	-20080317AIS
38	WEMT-DT	GREENEVILLE TN	226.5	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

#####

**Table 2 WEMT-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 16 of 17)

#### Analysis of Interference to Affected Station 21

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	WLPX-TV	CHARLESTON WV	DTVP1412	-DTVP1421

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
38	WOSU-TV	COLUMBUS OH	212.1	LIC	BLEDT	-20040130AAB
38	WOSU-TV	COLUMBUS OH	212.1	PLN	DTVP1412	-DTVP1375
38	WOSU-TV	COLUMBUS OH	212.1	APP	BPEDT	-20080620ADY
39	WKOI-TV	RICHMOND IN	272.8	LIC	BLCDDT	-20050920ABV
39	WKOI-TV	RICHMOND IN	272.8	PLN	DTVP1401	-DTVP1401
39	WKOI-TV	RICHMOND IN	272.8	CP	BPCDDT	-20080618ATM
39	WLEX-TV	LEXINGTON KY	233.6	CP MOD	BMPCDDT	-20050728AOP
39	WLEX-TV	LEXINGTON KY	233.6	PLN	DTVP1403	-DTVP1403
39	WJAL	HAGERSTOWN MD	364.1	CP MOD	BMPCDDT	-20081008ABR
39	WJAL	HAGERSTOWN MD	364.2	PLN	DTVP1405	-DTVP1405
39	WDLI-TV	CANTON OH	287.8	LIC	BLCDDT	-20030421ABK
39	WDLI-TV	CANTON OH	287.8	PLN	DTVP1409	-DTVP1409
39	WMYT-TV	ROCK HILL SC	349.8	CP MOD	BMPCDDT	-20080319ADB
39	WMYT-TV	ROCK HILL SC	349.8	PLN	DTVP1412	-DTVP1412
40	WHIZ-TV	ZANESVILLE OH	163.1	CP MOD	BMPCDDT	-20071022BPE
40	WHIZ-TV	ZANESVILLE OH	163.1	PLN	DTVP1446	-DTVP1446
40	WLFB	BLUEFIELD WV	146.2	PLN	DTVP1457	-DTVP1457
40	WLFB	BLUEFIELD WV	146.2	CP	BPCDDT	-20080317AIS
38	WEMT-DT	GREENEVILLE TN	226.5	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 22

Analysis of current record

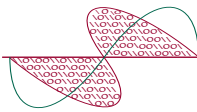
Channel	Call	City/State	Application	Ref. No.
41	WKP2-LP	WYTHEVILLE VA	BLTTA	-20021210ACE

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
40	WHKY-TV	HICKORY NC	132.7	LIC	BLCDDT	-20060630ABW
40	WHKY-TV	HICKORY NC	132.7	PLN	DTVP1441	-DTVP1441
40	WLFB	BLUEFIELD WV	38.6	LIC	BLCT	-20001121AIB
40	WLFB	BLUEFIELD WV	38.6	PLN	DTVP1457	-DTVP1457
40	WLFB	BLUEFIELD WV	38.6	CP	BPCDDT	-20080317AIS
41	WETP-TV	SNEEDVILLE TN	197.2	LIC	BLEDT	-20050916AAX
41	WETP-TV	SNEEDVILLE TN	197.2	PLN	DTVP1483	-DTVP1483
41	WHTJ	CHARLOTTESVILLE VA	257.5	LIC	BLET	-19890421KE
41	WHTJ	CHARLOTTESVILLE VA	257.5	APP	BSTA	-20080722AAX
41	WCHS-TV	CHARLESTON WV	182.2	LIC	BLCDDT	-20050621AAQ
41	WCHS-TV	CHARLESTON WV	182.2	PLN	DTVP1488	-DTVP1488
42	WMSY-TV	MARION VA	42.1	LIC	BLEDT	-20030428ABS
42	WMSY-TV	MARION VA	42.1	PLN	DTVP1521	-DTVP1521
49	WLFG	GRUNDY VA	90.3	CP	BPCDDT	-19991029AGK
49	WLFG	GRUNDY VA	90.3	PLN	DTVP1754	-DTVP1754

Table 2 WEMT-DT OET Bulletin 69 Interference Study  
(worst-case scenarios shown page 17 of 17)

38	WEMT-DT	GREENEVILLE TN	105.8	APP	USERRECORD-01
Proposed station is beyond the site to nearest cell evaluation distance					
#####					
Analysis of Interference to Affected Station 23					
Analysis of current record					
Channel	Call	City/State	Application Ref. No.		
38	WEMT-DT	GREENEVILLE TN	USERRECORD-01		
Stations Potentially Affecting This Station					
Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	WKMJ-TV	LOUISVILLE KY	391.7	LIC	BLEDT -20030410AAK
38	WKMJ-TV	LOUISVILLE KY	391.7	PLN	DTVPLN -DTVVP1364
38	WUVC-TV	FAYETTEVILLE NC	300.2	LIC	BLCDT -20060912ACZ
38	WUVC-TV	FAYETTEVILLE NC	300.2	PLN	DTVPLN -DTVVP1369
38	WOSU-TV	COLUMBUS OH	418.4	LIC	BLEDT -20040130AHB
38	WOSU-TV	COLUMBUS OH	418.4	PLN	DTVPLN -DTVVP1375
38	WOSU-TV	COLUMBUS OH	418.4	APP	BPEDT -20080620ADY
38	WPJT-DT	GEORGETOWN SC	414.5	CP MOD	BMPEDT -20040503AFV
38	WPJT-DT	GEORGETOWN SC	414.5	PLN	DTVPLN -DTVVP1377
38	WHTN	MURFREESBORO TN	389.5	LIC	BLCDT -20060627AAY
38	WHTN	MURFREESBORO TN	389.5	PLN	DTVPLN -DTVVP1379
39	WMYT-TV	ROCK HILL SC	148.2	CP MOD	BMPCDT -20080319ADB
39	WMYT-TV	ROCK HILL SC	148.2	PLN	DTVPLN -DTVVP1412
39	WLPX-TV	CHARLESTON WV	226.5	LIC	BLCDT -20020510AAM
39	WLPX-TV	CHARLESTON WV	226.5	PLN	DTVPLN -DTVVP1421
Total scenarios = 8					
Result key: 81					
Scenario	1	Affected station	23		
Before Analysis					
Results for: 38A TN GREENEVILLE			USERRECORD01		APP
HAAT	721.0 m,	ATV ERP 1000.0 kW			
		POPULATION	AREA (sq km)		
within Noise Limited Contour		1661098	41300.3		
not affected by terrain losses		1116182	29553.8		
lost to NTSC IX		0	0.0		
lost to additional IX by ATV		2820	125.0		
lost to ATV IX only		2820	125.0		
lost to all IX		2820	125.0		
Potential Interfering Stations Included in above Scenario					1
38A KY LOUISVILLE	BLEDT	20030410AAK	LIC		
38A NC FAYETTEVILLE	BLCDT	20060912ACZ	LIC		
39A SC ROCK HILL	BMPCDT	20080319ADB	CP		
#####					
FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED					

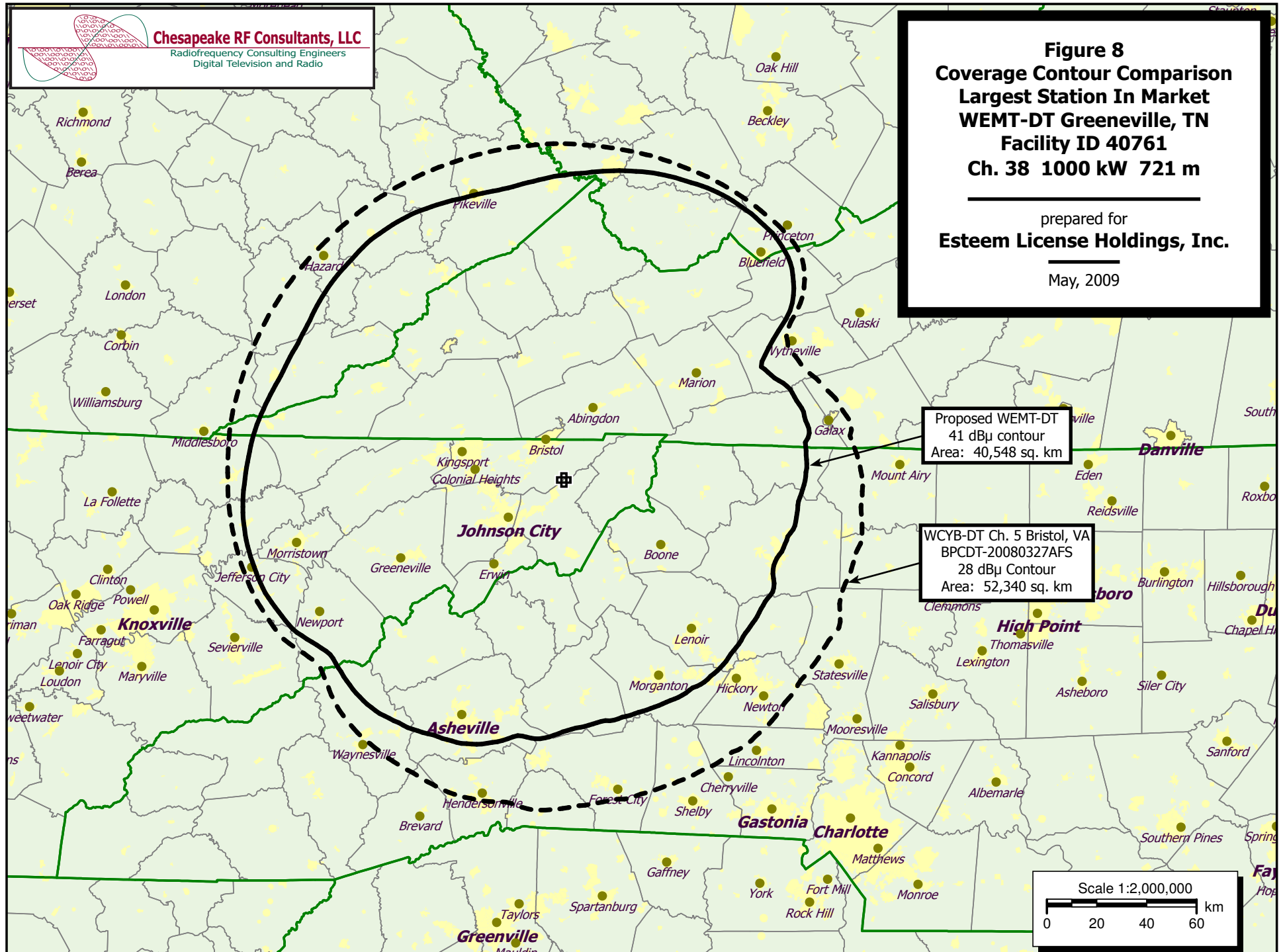


**Chesapeake RF Consultants, LLC**  
Radiofrequency Consulting Engineers  
Digital Television and Radio

**Figure 8**  
**Coverage Contour Comparison**  
**Largest Station In Market**  
**WENT-DT Greenville, TN**  
**Facility ID 40761**  
**Ch. 38 1000 kW 721 m**

prepared for  
**Esteem License Holdings, Inc.**

May, 2009



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.	
<p><b>Pre-Transition Certification Checklist:</b> 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 permit application to change 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.</p> <p><b>Post-Transition Expedited Processing.</b> 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.</p>	
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.	<input checked="" type="radio"/> Yes <input type="radio"/> 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.	<input type="radio"/> Yes <input type="radio"/> 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.	<input type="radio"/> Yes <input type="radio"/> 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").	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> 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.	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A
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. Applicant must <b>submit the Exhibit</b> called for in Item 13.	<input checked="" type="radio"/> Yes <input type="radio"/> No
3. Pursuant to 47 C.F.R. Section 73.625, the DTV coverage contour of the proposed facility will encompass the allotted principal community.	<input checked="" type="radio"/> Yes <input type="radio"/> 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.	<input checked="" type="radio"/> Yes <input type="radio"/> No
5. The antenna structure to be used by this facility has been registered by the Commission and will not require registration 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.	<input checked="" type="radio"/> Yes <input type="radio"/> 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.	
<b>TECH BOX</b>	
1.	Channel Number: DTV 38 Analog TV, if any 39
2.	Zone: <input type="radio"/> I <input checked="" type="radio"/> II <input type="radio"/> III
3.	Antenna Location Coordinates: (NAD 27) Latitude: Degrees 36 Minutes 26 Seconds 58 <input checked="" type="radio"/> North <input type="radio"/> South  Longitude: Degrees 82 Minutes 6 Seconds 29 <input checked="" type="radio"/> West <input type="radio"/> East
4.	Antenna Structure Registration Number: 1225306 <input type="checkbox"/> Not Applicable <input type="checkbox"/> Notification filed with FAA
5.	Antenna Location Site Elevation Above Mean Sea Level: 1284 meters
6.	Overall Tower Height Above Ground Level: 128 meters
7.	Height of Radiation Center Above Ground Level: 82 meters
8.	Height of Radiation Center Above Average Terrain : 721 meters
9.	Maximum Effective Radiated Power (average power): 1000 kW

10.	<p>Antenna Specifications:</p> <p>a. Manufacturer DIE    Model TFU-22JSC/VP-R P250</p> <p>b. Electrical Beam Tilt: 1.5 degrees    <input type="checkbox"/> Not Applicable</p> <p>c. Mechanical Beam Tilt: degrees toward azimuth degrees True    <input checked="" type="checkbox"/> Not Applicable</p> <p>Attach as an Exhibit all data specified in 47 C.F.R. Section 73.625(c). [Exhibit 42]</p> <p>d. Polarization: <input type="radio"/> Horizontal    <input type="radio"/> Circular    <input checked="" type="radio"/> Elliptical</p> <p>e. Directional Antenna Relative Field Values:    <input type="checkbox"/> Not applicable (Nondirectional)</p> <p>[For a composite directional (not off-the-shelf) antenna, press the following button to fill in the relative field values subform.] [Relative Field Values]</p> <div style="text-align: center;"><b>10e. Directional Antenna Relative Field Values</b> [Fill in this subform for a composite directional (not off-the-shelf) antenna, only.]</div> <table border="1"><tr><td colspan="12">e. Directional Antenna Relative Field Values:</td></tr><tr><td colspan="12">Rotation (Degrees): <input checked="" type="checkbox"/> No Rotation</td></tr><tr><td>Degrees</td><td>Value</td><td>Degrees</td><td>Value</td><td>Degrees</td><td>Value</td><td>Degrees</td><td>Value</td><td>Degrees</td><td>Value</td><td>Degrees</td><td>Value</td></tr><tr><td>0</td><td>0.623</td><td>10</td><td>0.774</td><td>20</td><td>0.906</td><td>30</td><td>0.985</td><td>40</td><td>0.996</td><td>50</td><td>0.935</td></tr><tr><td>60</td><td>0.812</td><td>70</td><td>0.65</td><td>80</td><td>0.485</td><td>90</td><td>0.353</td><td>100</td><td>0.271</td><td>110</td><td>0.236</td></tr><tr><td>120</td><td>0.234</td><td>130</td><td>0.245</td><td>140</td><td>0.254</td><td>150</td><td>0.25</td><td>160</td><td>0.238</td><td>170</td><td>0.232</td></tr><tr><td>180</td><td>0.252</td><td>190</td><td>0.313</td><td>200</td><td>0.427</td><td>210</td><td>0.582</td><td>220</td><td>0.749</td><td>230</td><td>0.892</td></tr><tr><td>240</td><td>0.98</td><td>250</td><td>0.998</td><td>260</td><td>0.945</td><td>270</td><td>0.832</td><td>280</td><td>0.682</td><td>290</td><td>0.553</td></tr><tr><td>300</td><td>0.526</td><td>310</td><td>0.593</td><td>320</td><td>0.645</td><td>330</td><td>0.621</td><td>340</td><td>0.548</td><td>350</td><td>0.527</td></tr><tr><td>Additional Azimuths</td><td></td><td>36</td><td>1</td><td>247</td><td>1</td><td>297</td><td>0.522</td><td>322</td><td>0.647</td><td>347</td><td>0.522</td></tr></table> <p style="text-align: center;"><u>Relative Field Polar Plot</u></p>	e. Directional Antenna Relative Field Values:												Rotation (Degrees): <input checked="" type="checkbox"/> No Rotation												Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	0	0.623	10	0.774	20	0.906	30	0.985	40	0.996	50	0.935	60	0.812	70	0.65	80	0.485	90	0.353	100	0.271	110	0.236	120	0.234	130	0.245	140	0.254	150	0.25	160	0.238	170	0.232	180	0.252	190	0.313	200	0.427	210	0.582	220	0.749	230	0.892	240	0.98	250	0.998	260	0.945	270	0.832	280	0.682	290	0.553	300	0.526	310	0.593	320	0.645	330	0.621	340	0.548	350	0.527	Additional Azimuths		36	1	247	1	297	0.522	322	0.647	347	0.522
e. Directional Antenna Relative Field Values:																																																																																																																									
Rotation (Degrees): <input checked="" type="checkbox"/> No Rotation																																																																																																																									
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60	0.812	70	0.65	80	0.485	90	0.353	100	0.271	110	0.236																																																																																																														
120	0.234	130	0.245	140	0.254	150	0.25	160	0.238	170	0.232																																																																																																														
180	0.252	190	0.313	200	0.427	210	0.582	220	0.749	230	0.892																																																																																																														
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Additional Azimuths		36	1	247	1	297	0.522	322	0.647	347	0.522																																																																																																														
	<p>If a directional antenna is proposed, the requirements of 47 C.F.R. Sections 73.625(c) must be satisfied. <b>Exhibit required.</b> [Exhibit 43]</p>																																																																																																																								
11.	<p>Does the proposed facility satisfy the pre-transition interference protection provisions of 47 C.F.R. Section 73.623(a) (Applicable only if <b>Certification Checklist</b> 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? <input checked="" type="radio"/> Yes <input type="radio"/> No [Exhibit 44]</p> <p>If "No," attach as an Exhibit justification therefor, including a summary of any related previously granted waivers.</p>																																																																																																																								
12.	<p>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 <b>Certification Checklist</b> item 3 is answered "No.") [Exhibit 45]</p>																																																																																																																								
13.	<p><b>Environmental Protection Act. Submit in an Exhibit</b> the following: [Exhibit 46]</p> <p>If <b>Certification Checklist</b> 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.</p> <p>By checking "Yes" to <b>Certification Checklist</b> 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.</p> <p>If <b>Certification Checklist</b> Item 2 is answered "No," an Environmental Assessment as required by 47 C.F.R Section 1.1311.</p>																																																																																																																								
<p><b>PREPARERS CERTIFICATION ON SECTION III MUST BE COMPLETED AND SIGNED.</b></p>																																																																																																																									

**SECTION III - PREPARER'S CERTIFICATION**

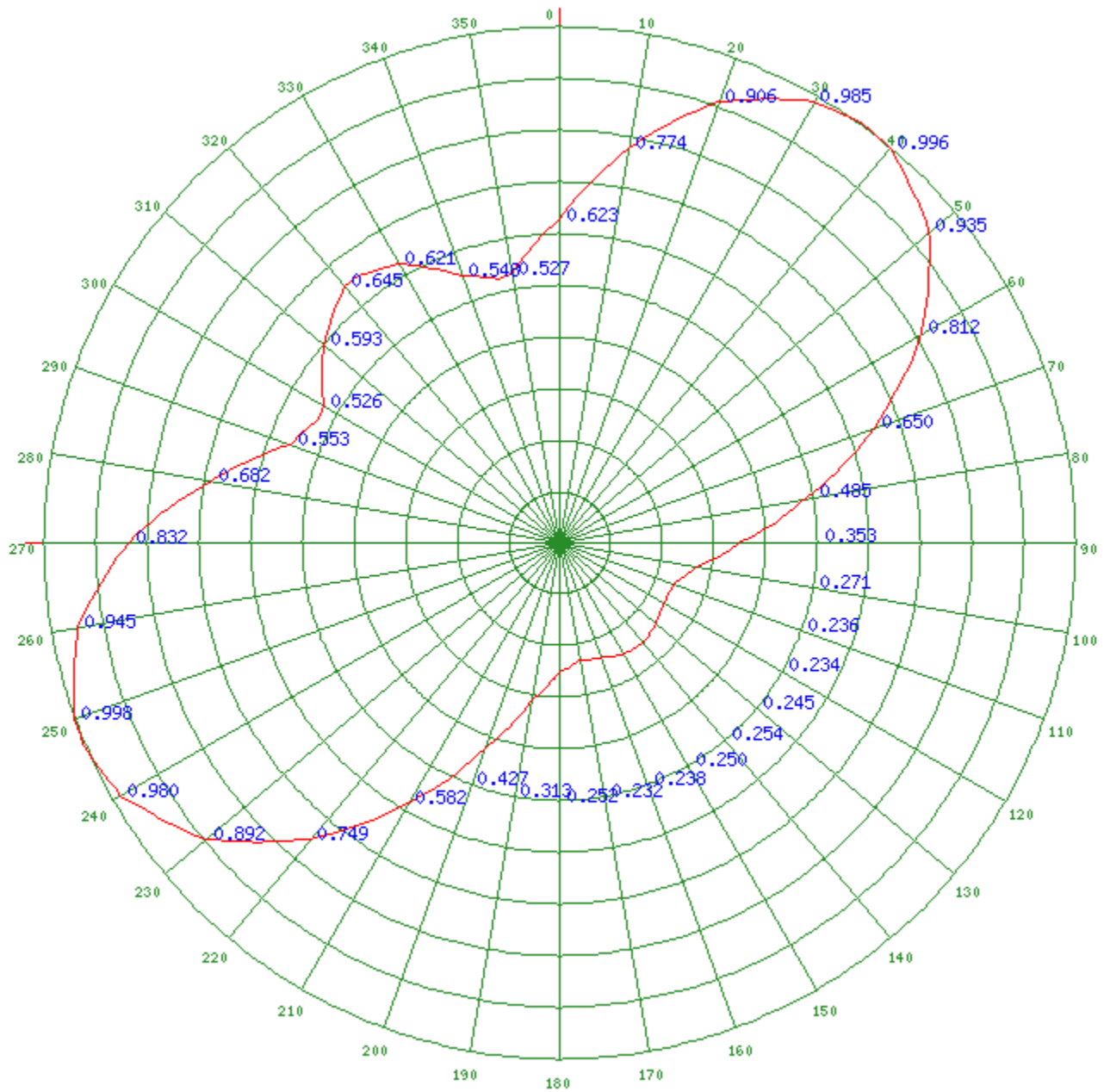
I certify that I have prepared Section III (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name JOSEPH M. DAVIS, P.E.	Relationship to Applicant (e.g., Consulting Engineer) CONSULTING ENGINEER	
Signature	Date 5/19/2009	
Mailing Address CHESAPEAKE RF CONSULTANTS, LLC 11993 KAHNS ROAD		
City MANASSAS	State or Country (if foreign address) VA	Zip Code 20112 -
Telephone Number (include area code) 7036509600	E-Mail Address (if available) JOSEPH.DAVIS@RF-CONSULTANTS.COM	



Any specified rotation has already been applied to the plotted pattern.  
Field strength values shown on a rotated pattern may differ from the listed values  
because intermediate azimuths are interpolated between entered azimuths.

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