

## **ENGINEERING EXHIBIT**

### **Application to Modify Digital Television Station Construction Permit**

prepared for

#### **Gray Television Licensee, LLC**

WTOK-DT Meridian, MS

Facility ID 4686

Ch. 11 40 kW 160 m

*Gray Television Licensee, LLC* (“Gray”) is the licensee of television station WТОK-TV, pre-transition analog Channel 11 and digital Channel 49, Meridian, MS. A Construction Permit (“CP”, BPCDT-20080501AAQ) authorizes construction of the WТОK-DT post-transition digital facility on Channel 11, as established in Appendix B of the Seventh Report and Order in MB Docket 87-268. That CP authorizes operation with an effective radiated power (“ERP”) of 11.8 kW at 160 meters antenna height above average terrain (“HAAT”), with the existing analog Channel 11 antenna. A “maximization” CP was subsequently granted (BMPCDT-20080618ACJ) to authorize operation at 90 kW ERP with the same antenna.

*Gray* is authorized by Special Temporary Authorization (“STA”, BDSTA-20090112AOP) to initially operate the post-transition digital WТОK-DT facility at reduced power pursuant to the “phased implementation” procedures as described in the Report and Order in the Third Periodic Review.<sup>1</sup> The STA facility would operate with the antenna authorized under BMPCDT-20080618ACJ at 40 kW ERP, which is 44.4 percent of the authorized ERP.

*Gray* plans to operate WТОK-DT at 40 kW for at least a year before increasing the ERP to the authorized 90 kW. To avoid having to seek an extension of the phased implementation STA, *Gray* herein seeks a separate modification of the original CP to specify the same 40 kW operation that is authorized via STA. At the transition date, WТОK-DT will commence operation at 40 kW ERP.

---

<sup>1</sup>*Third Periodic Review of the Commission’s Rules and Policies Affecting the Conversion to Digital Television*, MB Docket No. 07-91, FCC 07-228, released December 31, 2007.

Subsequently, *Gray* will implement the 90 kW facility as authorized by BMPCDT-20080618ACJ. **Gray intends on constructing the maximization facilities authorized in BMPCDT-20080618ACJ and specifically requests that the instant application not cause BMPCDT-20080618ACJ to be modified or superseded.**

The proposed digital Channel 11 operation will employ the existing non-directional antenna system licensed for WTOK-TV's analog Channel 11. The antenna is a horizontally polarized RCA model TF-12AH. Although there is no change in antenna height above ground or above mean sea level, the antenna HAAT is changed to 160 meters as recalculated from the USGS 3-arc second terrain database.

The Channel 11 antenna is top-mounted on the existing WTOK-TV antenna supporting structure, having FCC Antenna Structure Registration ("ASR") number 1041065. No change to the overall structure height and no tower work are required to carry out this proposal.

A map is supplied as **Figure 1**, which depicts the standard predicted coverage contours. This map includes the location of Meridian, WTOK-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 43 dBμ contour.

The proposed WTOK-DT facility's predicted service population provides a 123.2 percent match of the Appendix B facility, as detailed in the table below.

<b>Post-Transition Population Summary</b>		
Population Summary (2000 Census) OET Bulletin 69 method	Appendix B	Proposed
Within Noise Limited Contour	307,041	377,453
Not affected by terrain losses	301,015	370,791
Lost to all interference	6,054	7,487
Net DTV Service	<b>294,961</b>	<b>363,304</b>
Match of Appendix B	---	<b>123.17%</b>

Population counts (using OET Bulletin 69<sup>2</sup> analysis, summarized below) show that the proposed facility would provide a greater than 100 percent population match of the original CP and the pre-transition analog operation. **Figure 2** supplies the proposed coverage contour along with those associated with the original post-transition CP (11.8 kW BPCDT-20080501AAQ), the maximization CP (90 kW BMPCDT-20080618ACJ), and the pre-transition analog Channel 11 facility. As shown thereon, the proposed 40 kW facility's service contour will cover all of the area covered by the original CP and the pre-transition analog operation.

**Population Summary**

WTOK-TV/DT Facility	Interference-Free Population (2000 Census)
Pre-Transition Analog Ch. 11 (BLCT-2503)	269,171
Original Post-Transition Ch. 11 CP (BPCDT-20080501AAQ)	305,527
Proposed Initial Digital Ch. 11 40 kW	363,304

A detailed interference study per OET Bulletin 69 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 1**. Protection requirements towards authorized Class A stations are also satisfied.

The nearest FCC monitoring station is 408 km distant at Powder Spring, GA. This exceeds 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 directional AM stations within 3.2 kilometers and no non-directional AM stations within 0.8 km of the site, based on information contained within the Commission's database. The site location is beyond the border areas requiring international coordination.

---

<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”). 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.

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

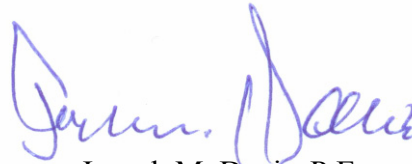
The proposal will involve use of an existing transmitting antenna. The use of existing transmitting locations has been characterized as being environmentally preferable by the Commission, according to Note 1 of §1.1306 of the FCC Rules. No tower construction or change in structure height is proposed.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

The transmitting location is in close proximity to several other television and FM station facilities. In the post-transition period, operation of the current WTOK-TV digital (Ch-49, 400 kW / 136 m) and analog (Ch-11, 316 kW / 165 m) facilities will cease, leaving only the proposed digital Channel 11 operation at 40 kW using the current analog Channel 11 antenna. The RF exposure contribution from the proposed digital operation alone will be less than the current analog and digital facilities together. For completeness, following construction of the proposed facility, *Gray* will conduct RF exposure measurements (and/or detailed calculations) to evaluate the level of RF exposure resulting from the WTOK-DT facility. As necessary, based on these results and considering all emitters, appropriate exposure abatement procedures will be established and followed, in order to comply with the Commission's exposure limits. Such abatement procedures may involve the restriction of access to certain areas and/or facility modifications to reduce RF levels.

Considering the post-construction measurement and an appropriate abatement program, the general public and workers will not be exposed to RF levels attributable to the proposal in excess of the Commission's guidelines. RF exposure warning signs will continue to be posted. With respect to worker safety, authorized personnel will be trained and/or supervised as necessary for access to any "controlled" areas. *Gray* 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

### **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.



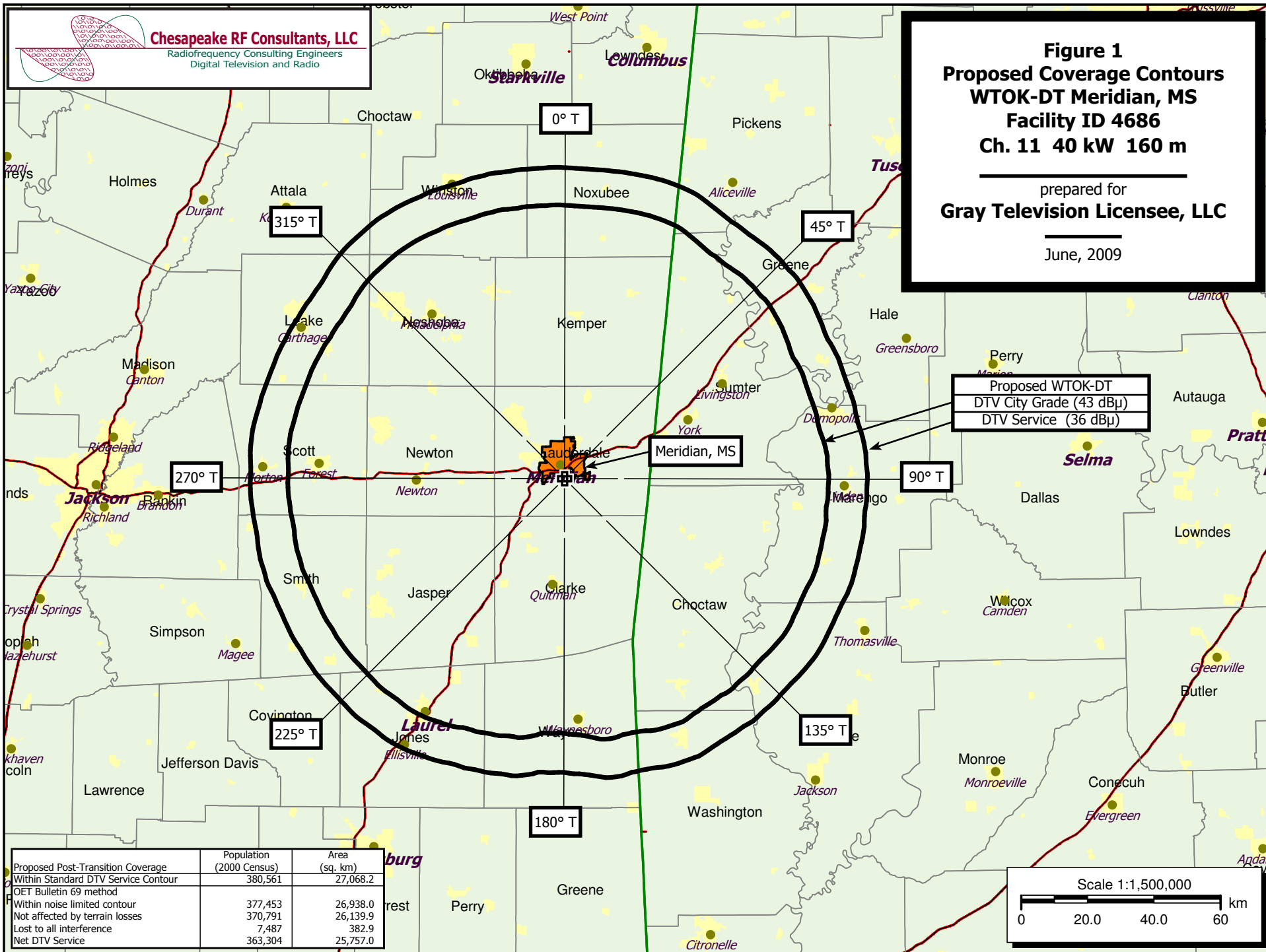
Joseph M. Davis, P.E.  
June 8, 2009

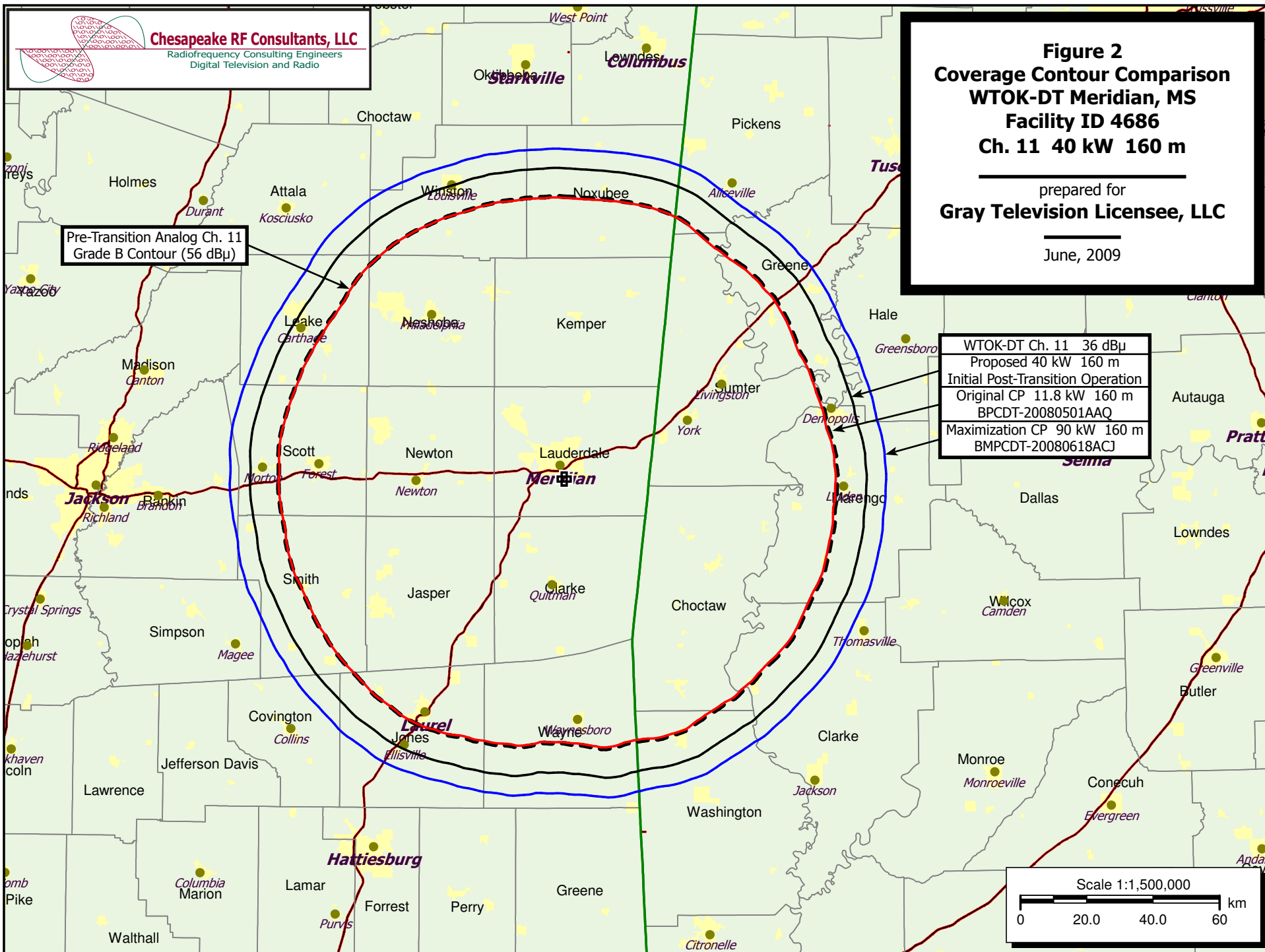
**Chesapeake RF Consultants, LLC**  
11993 Kahns Road  
Manassas, VA 20112  
703-650-9600

### List of Attachments

Figure 1	Proposed Coverage Contours
Figure 2	Coverage Contour Comparison
Table 1	OET Bulletin 69 Interference Study
Form 301	Saved Version of Engineering Sections from FCC Form at Time of Upload

*This material was entered June 8, 2009 for filing electronically. Since the FCC's electronic filing system may be accessed by anyone with the applicant's name and password, and electronic data may otherwise be altered in an unauthorized fashion, we cannot be responsible for changes made subsequent to our entry of this data and related attachments.*





**Table 1 WTOK-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 1 of 22)

TW Census data selected 2000  
Post Transition Data Base Selected /space/software/cdbs/pt\_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-07-2009 Time: 22:28:44

Record Selected for Analysis

WTOK-DT USERRECORD-01 MERIDIAN MS US  
Channel 11 ERP 40. kW HAAT 160. m RCMSL 00288 m  
Latitude 032-19-38 Longitude 0088-41-28  
Status APP Zone 3 Border  
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 meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	36.0 dBu F(50,90) (km)
0.0	40.000	165.1	93.2
45.0	40.000	152.2	92.0
90.0	40.000	141.7	90.9
135.0	40.000	149.6	91.8
180.0	40.000	125.5	88.6
225.0	40.000	180.5	94.7
270.0	40.000	177.1	94.3
315.0	40.000	187.3	95.3

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

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

Proposed station is OK toward AM broadcast stations

**Table 1 WTOK-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 2 of 22)

\*\*\*\*\*

Start of Interference Analysis

Channel	Call	City/State	ARN
11	WTOK-DT	MERIDIAN MS	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	WBIQ	BIRMINGHAM AL	217.8	CP	BPEDT	-20080306ABA
10	WBIQ	BIRMINGHAM AL	217.8	PLN	DTVPLN	-DTVP0236
10	WMAB-TV	MISSISSIPPI STATE MS	121.9	CP	BPEDT	-20080619AGS
10	WMAB-TV	MISSISSIPPI STATE MS	121.9	PLN	DTVPLN	-DTVP0271
10	WMAB-TV	MISSISSIPPI STATE MS	121.9	LIC	BLEDT	-20030326ABX
11	WTZT-CA	ATHENS AL	317.8	LIC	BLTVL	-19991019AAP
11	WTZT-CA	ATHENS AL	330.7	CP	BPTVA	-20030808AAD
11	WTVM	COLUMBUS GA	367.4	PLN	DTVPLN	-DTVP0307
11	WTVM	COLUMBUS GA	367.4	CP	BPCDT	-20090204ACL
11	WTVM-DR	COLUMBUS GA	367.4	APP	BPRM	-20080620AOM
11	WJSP-DR	COLUMBUS GA	378.2	APP	BPRM	-20080619ALS
11	KAQY	COLUMBIA LA	317.9	CP	BPCDT	-20080619AIX
11	KAQY	COLUMBIA LA	330.2	PLN	DTVPLN	-DTVP0317
11	WYES-TV	NEW ORLEANS LA	289.7	LIC	BLEDT	-20040804AFR
11	WYES-TV	NEW ORLEANS LA	289.7	PLN	DTVPLN	-DTVP0318
11	WYES-TV	NEW ORLEANS LA	289.7	CP	BPEDT	-20080620AEW
12	WJTV	JACKSON MS	161.3	PLN	DTVPLN	-DTVP0384
12	WJTV	JACKSON MS	161.3	CP MOD	BMPCDT	-20080619ABX

\*\*\*\*\*

Analysis of Interference to Affected Station 1

Channel	Call	City/State	Application	Ref. No.
10	WBIQ	BIRMINGHAM AL	BPEDT	-20080306ABA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
09	WJSU-TV	ANNISTON AL	38.5	CP	BPCDT	-20080620AGV
09	WJSU-TV	ANNISTON AL	38.5	PLN	DTVPLN	-DTVP0178
09	WJSU-TV	ANNISTON AL	38.5	LIC	BLCDT	-20050222ACG
10	WDIQ	DOZIER AL	218.0	CP MOD	BMPCDT	-20080619AGY
10	WDIQ	DOZIER AL	218.0	PLN	DTVPLN	-DTVP0237
10	WALB	ALBANY GA	365.5	PLN	DTVPLN	-DTVP0249
10	WALB	ALBANY GA	365.6	CP MOD	BMPCDT	-20080620ALA
10	WXIA-TV	ATLANTA GA	231.1	LIC	BLCDT	-20040302AAO
10	WXIA-TV	ATLANTA GA	231.1	PLN	DTVPLN	-DTVP0250
10	WMAB-TV	MISSISSIPPI STATE MS	217.9	CP	BPEDT	-20080619AGS
10	WMAB-TV	MISSISSIPPI STATE MS	217.9	PLN	DTVPLN	-DTVP0271
10	WMAB-TV	MISSISSIPPI STATE MS	217.9	LIC	BLEDT	-20030326ABX
10	WBIR-TV	KNOXVILLE TN	383.5	CP MOD	BMPCDT	-20080620AMO
10	WBIR-TV	KNOXVILLE TN	383.1	PLN	DTVPLN	-DTVP0290
10	NEW	MEMPHIS TN	333.2	PLN	DTVPLN	-DTVP0291
10	NEW	MEMPHIS TN	333.2	APP	BMPCDT	-20080620ABP
10	NEW	MEMPHIS TN	333.2	CP MOD	BMPCDT	-20080317ACF
10	WSMV-TV	NASHVILLE TN	295.3	CP	BPCDT	-20080619AFW

**Table 1 WTKO-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 3 of 22)

10	WSMV-TV	NASHVILLE TN	295.3	PLN	DTVPLN	-DTVP0292
10	WSMV-TV	NASHVILLE TN	295.3	LIC	BLCDT	-20021029AAV
11	WJSP-DR	COLUMBUS GA	208.1	APP	BPRM	-20080619ALS
11	WTKO-TV	MERIDIAN MS	217.8	PLN	DTVPLN	-DTVP0325
11	WTKO-DT	MERIDIAN MS	217.8	APP	USERRECORD-01	

Proposal causes no interference

#####

#### Analysis of Interference to Affected Station 2

#### Analysis of current record

Channel	Call	City/State	Application Ref. No.
10	WBIQ	BIRMINGHAM AL	DTVPLN -DTVP0236

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
09	WJSU-TV	ANNISTON AL	38.5	CP	BPCDT -20080620AGV
09	WJSU-TV	ANNISTON AL	38.5	PLN	DTVPLN -DTVP0178
09	WJSU-TV	ANNISTON AL	38.5	LIC	BLCDT -20050222ACG
10	WDIQ	DOZIER AL	218.0	CP MOD	BMPEDT -20080619AGY
10	WDIQ	DOZIER AL	218.0	PLN	DTVPLN -DTVP0237
10	WALB	ALBANY GA	365.5	PLN	DTVPLN -DTVP0249
10	WALB	ALBANY GA	365.6	CP MOD	BMPEDT -20080620ALA
10	WXIA-TV	ATLANTA GA	231.1	LIC	BLCDT -20040302AAO
10	WXIA-TV	ATLANTA GA	231.1	PLN	DTVPLN -DTVP0250
10	WMAB-TV	MISSISSIPPI STATE MS	217.9	CP	BPEDT -20080619AGS
10	WMAB-TV	MISSISSIPPI STATE MS	217.9	PLN	DTVPLN -DTVP0271
10	WMAB-TV	MISSISSIPPI STATE MS	217.9	LIC	BLEDT -20030326ABX
10	WBIR-TV	KNOXVILLE TN	383.5	CP MOD	BMPEDT -20080620AMO
10	WBIR-TV	KNOXVILLE TN	383.1	PLN	DTVPLN -DTVP0290
10	NEW	MEMPHIS TN	333.2	PLN	DTVPLN -DTVP0291
10	NEW	MEMPHIS TN	333.2	APP	BMPEDT -20080620ABP
10	NEW	MEMPHIS TN	333.2	CP MOD	BMPEDT -20080317ACF
10	WSMV-TV	NASHVILLE TN	295.3	CP	BPCDT -20080619AFW
10	WSMV-TV	NASHVILLE TN	295.3	PLN	DTVPLN -DTVP0292
10	WSMV-TV	NASHVILLE TN	295.3	LIC	BLCDT -20021029AAV
11	WJSP-DR	COLUMBUS GA	208.1	APP	BPRM -20080619ALS
11	WTKO-TV	MERIDIAN MS	217.8	PLN	DTVPLN -DTVP0325
11	WTKO-DT	MERIDIAN MS	217.8	APP	USERRECORD-01

Proposal causes no interference

#####

#### Analysis of Interference to Affected Station 3

#### Analysis of current record

Channel	Call	City/State	Application Ref. No.
10	WMAB-TV	MISSISSIPPI STATE MS	BPEDT -20080619AGS

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
10	WBIQ	BIRMINGHAM AL	217.9	CP	BPEDT -20080306ABA
10	WBIQ	BIRMINGHAM AL	217.9	PLN	DTVPLN -DTVP0236
10	WDIQ	DOZIER AL	326.9	CP MOD	BMPEDT -20080619AGY
10	WDIQ	DOZIER AL	326.9	PLN	DTVPLN -DTVP0237

**Table 1 WTKO-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 4 of 22)

10	KETZ	EL DORADO AR	287.9	PLN	DTVPLN	-DTVP0238
10	KETZ	EL DORADO AR	287.6	CP MOD	BMPEDT	-20090324ACT
10	NEW	MEMPHIS TN	209.4	PLN	DTVPLN	-DTVP0291
10	NEW	MEMPHIS TN	209.4	APP	BMPEDT	-20080620ABP
10	NEW	MEMPHIS TN	209.4	CP MOD	BMPEDT	-20080317ACF
10	WSMV-TV	NASHVILLE TN	373.4	CP	BPCDT	-20080619AFW
10	WSMV-TV	NASHVILLE TN	373.4	PLN	DTVPLN	-DTVP0292
10	WSMV-TV	NASHVILLE TN	373.4	LIC	BLCDT	-20021029AAV
11	WTKO-TV	MERIDIAN MS	121.9	PLN	DTVPLN	-DTVP0325
11	WTKO-DT	MERIDIAN MS	121.9	APP	USERRECORD-01	

Total scenarios = 72

Result key: 58

Scenario	58	Affected station	3
----------	----	------------------	---

Before Analysis

Results for: 10A MS MISSISSIPPI STATE BPEDT 20080619AGS CP  
HAAT 349.0 m, ATV ERP 8.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	412265	27909.1
not affected by terrain losses	409090	27432.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6043	561.1
lost to ATV IX only	6043	561.1
lost to all IX	6043	561.1

Potential Interfering Stations Included in above Scenario 58

10A AL BIRMINGHAM	BPEDT	20080306ABA	CP
10A AL DOZIER	DTVPLN	DTVP0237	PLN
10A AR EL DORADO	BMPEDT	20090324ACT	CP
10A TN MEMPHIS	BMPEDT	20080620ABP	APP
10A TN NASHVILLE	BPCDT	20080619AFW	CP
11A MS MERIDIAN	DTVPLN	DTVP0325	PLN

After Analysis

Results for: 10A MS MISSISSIPPI STATE BPEDT 20080619AGS CP  
HAAT 349.0 m, ATV ERP 8.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	412265	27909.1
not affected by terrain losses	409090	27432.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7456	690.3
lost to ATV IX only	7456	690.3
lost to all IX	7456	690.3

Potential Interfering Stations Included in above Scenario 58

10A AL BIRMINGHAM	BPEDT	20080306ABA	CP
10A AL DOZIER	DTVPLN	DTVP0237	PLN
10A AR EL DORADO	BMPEDT	20090324ACT	CP
10A TN MEMPHIS	BMPEDT	20080620ABP	APP
10A TN NASHVILLE	BPCDT	20080619AFW	CP
11A MS MERIDIAN	USERRECORD01		APP

Percent new IX = 0.3506%

Worst case new IX 0.3506% Scenario 58

#####

**Table 1 WTKO-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 5 of 22)

Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
10	WMAB-TV	MISSISSIPPI STATE MS	DTVPLN	-DTVPO271

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	WBIQ	BIRMINGHAM AL	217.9	CP	BPEDT	-20080306ABA
10	WBIQ	BIRMINGHAM AL	217.9	PLN	DTVPLN	-DTVPO236
10	WDIQ	DOZIER AL	326.9	CP MOD	BMPEDT	-20080619AGY
10	WDIQ	DOZIER AL	326.9	PLN	DTVPLN	-DTVPO237
10	KETZ	EL DORADO AR	287.9	PLN	DTVPLN	-DTVPO238
10	KETZ	EL DORADO AR	287.6	CP MOD	BMPEDT	-20090324ACT
10	NEW	MEMPHIS TN	209.4	PLN	DTVPLN	-DTVPO291
10	NEW	MEMPHIS TN	209.4	APP	BMPEDT	-20080620ABP
10	NEW	MEMPHIS TN	209.4	CP MOD	BMPEDT	-20080317ACF
10	WSMV-TV	NASHVILLE TN	373.4	CP	BPCDT	-20080619AFW
10	WSMV-TV	NASHVILLE TN	373.4	PLN	DTVPLN	-DTVPO292
10	WSMV-TV	NASHVILLE TN	373.4	LIC	BLCDT	-20021029AAV
11	WTKO-TV	MERIDIAN MS	121.9	PLN	DTVPLN	-DTVPO325
11	WTKO-DT	MERIDIAN MS	121.9	APP	USERRECORD-01	

Total scenarios = 72

Result key: 79

Scenario 7 Affected station 4  
Before Analysis

Results for: 10A MS MISSISSIPPI STATE DTVPLN DTVPO271 PLN

HAAT 349.0 m, ATV ERP 4.3 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	374446	25115.9
not affected by terrain losses	371981	24801.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2506	387.5
lost to ATV IX only	2506	387.5
lost to all IX	2506	387.5

Potential Interfering Stations Included in above Scenario 7

10A AL BIRMINGHAM	BPEDT	20080306ABA	CP
10A AL DOZIER	BMPEDT	20080619AGY	CP
10A AR EL DORADO	BMPEDT	20090324ACT	CP
10A TN MEMPHIS	DTVPLN	DTVPO291	PLN
10A TN NASHVILLE	BPCDT	20080619AFW	CP
11A MS MERIDIAN	DTVPLN	DTVPO325	PLN

After Analysis

Results for: 10A MS MISSISSIPPI STATE DTVPLN DTVPO271 PLN

HAAT 349.0 m, ATV ERP 4.3 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	374446	25115.9
not affected by terrain losses	371981	24801.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3499	500.5
lost to ATV IX only	3499	500.5

**Table 1 WTKO-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 6 of 22)

lost to all IX 3499 500.5

Potential Interfering Stations Included in above Scenario 7

10A AL BIRMINGHAM	BPEDT	20080306ABA	CP
10A AL DOZIER	BMPEDT	20080619AGY	CP
10A AR EL DORADO	BMPEDT	20090324ACT	CP
10A TN MEMPHIS	DTVPLN	DTVPO291	PLN
10A TN NASHVILLE	BPCDT	20080619AFW	CP
11A MS MERIDIAN	USERRECORD01		APP

Percent new IX = 0.2688%

Worst case new IX 0.2688% Scenario 7

#####

Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
10	WMAB-TV	MISSISSIPPI STATE MS	BLEDT	-20030326ABX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	WBIQ	BIRMINGHAM AL	217.9	CP	BPEDT	-20080306ABA
10	WBIQ	BIRMINGHAM AL	217.9	PLN	DTVPLN	-DTVPO236
10	WDIQ	DOZIER AL	326.9	CP MOD	BMPEDT	-20080619AGY
10	WDIQ	DOZIER AL	326.9	PLN	DTVPLN	-DTVPO237
10	KETZ	EL DORADO AR	287.9	PLN	DTVPLN	-DTVPO238
10	KETZ	EL DORADO AR	287.6	CP MOD	BMPEDT	-20090324ACT
10	NEW	MEMPHIS TN	209.4	PLN	DTVPLN	-DTVPO291
10	NEW	MEMPHIS TN	209.4	APP	BMPEDT	-20080620ABP
10	NEW	MEMPHIS TN	209.4	CP MOD	BMPEDT	-20080317ACF
10	WSMV-TV	NASHVILLE TN	373.4	CP	BPCDT	-20080619AFW
10	WSMV-TV	NASHVILLE TN	373.4	PLN	DTVPLN	-DTVPO292
10	WSMV-TV	NASHVILLE TN	373.4	LIC	BLCDT	-20021029AAV
11	WTKO-TV	MERIDIAN MS	121.9	PLN	DTVPLN	-DTVPO325
11	WTKO-DT	MERIDIAN MS	121.9	APP	USERRECORD-01	

Total scenarios = 72

Result key: 151

Scenario 7 Affected station 5  
Before Analysis

Results for: 10A MS MISSISSIPPI STATE BLEDT 20030326ABX LIC

HAAT 349.0 m, ATV ERP 4.3 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	374446	25115.9
not affected by terrain losses	371981	24801.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2506	387.5
lost to ATV IX only	2506	387.5
lost to all IX	2506	387.5

Potential Interfering Stations Included in above Scenario 7

10A AL BIRMINGHAM	BPEDT	20080306ABA	CP
-------------------	-------	-------------	----

**Table 1 WTOK-DT OET Bulletin 69 Interference Study**

(worst-case scenarios shown page 7 of 22)

10A AL DOZIER	BMPEDT	20080619AGY	CP
10A AR EL DORADO	BMPEDT	20090324ACT	CP
10A TN MEMPHIS	DTVPLN	DTVP0291	PLN
10A TN NASHVILLE	BPCDT	20080619AFW	CP
11A MS MERIDIAN	DTVPLN	DTVP0325	PLN

After Analysis

Results for: 10A MS MISSISSIPPI STATE BLEDT 20030326ABX LIC  
HAAT 349.0 m, ATV ERP 4.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	374446	25115.9
not affected by terrain losses	371981	24801.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3499	500.5
lost to ATV IX only	3499	500.5
lost to all IX	3499	500.5

Potential Interfering Stations Included in above Scenario 7

10A AL BIRMINGHAM	BPEDT	20080306ABA	CP
10A AL DOZIER	BMPEDT	20080619AGY	CP
10A AR EL DORADO	BMPEDT	20090324ACT	CP
10A TN MEMPHIS	DTVPLN	DTVP0291	PLN
10A TN NASHVILLE	BPCDT	20080619AFW	CP
11A MS MERIDIAN	USERRECORD01		APP

Percent new IX = 0.2688%

Worst case new IX 0.2688% Scenario 7

#####

Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
11	WTZT-CA	ATHENS AL	BLTVL -19991019AAP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
11	WXIA-TV	ATLANTA GA	264.7	LIC	BMLCT -19960208KF
11	WTVM	COLUMBUS GA	338.4	PLN	DTVPLN -DTVP0307
11	WTVM	COLUMBUS GA	338.4	CP	BPCDT -20090204ACL
11	WTVM-DR	COLUMBUS GA	338.4	APP	BPRM -20080620AOM
11	WJSP-DR	COLUMBUS GA	297.5	APP	BPRM -20080619ALS
11	WTOK-TV	MERIDIAN MS	317.8	LIC	BLCT -2503
11	WTOK-TV	MERIDIAN MS	317.8	PLN	DTVPLN -DTVP0325
11	WTOK-DT	MERIDIAN MS	317.8	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
---------	------	------------	----------------------

**Table 1 WTOK-DT OET Bulletin 69 Interference Study**

(worst-case scenarios shown page 8 of 22)

11	WTZT-CA	ATHENS AL	BPTVA	-20030808AAD
----	---------	-----------	-------	--------------

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
11	WXIA-TV	ATLANTA GA	250.5	LIC	BMLCT -19960208KF
11	WTVM	COLUMBUS GA	331.3	PLN	DTVPLN -DTVP0307
11	WTVM	COLUMBUS GA	331.3	CP	BPCDT -20090204ACL
11	WTVM-DR	COLUMBUS GA	331.3	APP	BPRM -20080620AOM
11	WJSP-DR	COLUMBUS GA	288.3	APP	BPRM -20080619ALS
11	WTOK-TV	MERIDIAN MS	330.7	LIC	BLCT -2503
11	WTOK-TV	MERIDIAN MS	330.7	PLN	DTVPLN -DTVP0325
11	WETV-LP	MURFREESBORO TN	117.9	LIC	BLTVL -20000203AAU
11	WETV-LP	MURFREESBORO TN	117.9	CP	BPTVA -20030822AGE
12	WDEF-TV	CHATTANOOGA TN	133.5	CP MOD	BMPCDT -20080617ADC
12	WDEF-TV	CHATTANOOGA TN	133.5	PLN	DTVPLN -DTVP0404
11	WTOK-DT	MERIDIAN MS	330.7	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.
11	WTVM	COLUMBUS GA	DTVPLN -DTVP0307

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
10	WDIQ	DOZIER AL	174.5	CP MOD	BMPEDT -20080619AGY
10	WDIQ	DOZIER AL	174.5	PLN	DTVPLN -DTVP0237
10	WALB	ALBANY GA	140.3	PLN	DTVPLN -DTVP0249
10	WALB	ALBANY GA	140.3	CP MOD	BMPCDT -20080620ALA
10	WXIA-TV	ATLANTA GA	164.7	LIC	BLCDT -20040302AAO
10	WXIA-TV	ATLANTA GA	164.7	PLN	DTVPLN -DTVP0250
11	WTVM-DR	COLUMBUS GA	0.0	APP	BPRM -20080620AOM
11	WJSP-DR	COLUMBUS GA	59.2	APP	BPRM -20080619ALS
11	WTOC-TV	SAVANNAH GA	323.9	PLN	DTVPLN -DTVP0308
11	WTOC-TV	SAVANNAH GA	323.9	CP MOD	BMPCDT -20080619ACE
11	WTOK-TV	MERIDIAN MS	367.4	PLN	DTVPLN -DTVP0325
12	WSFA	MONTGOMERY AL	135.8	CP MOD	BMPCDT -20080620ABY
12	WSFA	MONTGOMERY AL	135.8	PLN	DTVPLN -DTVP0359
12	WFXL	ALBANY GA	140.3	LIC	BLCDT -20070725AFF
12	WFXL	ALBANY GA	140.3	PLN	DTVPLN -DTVP0367
11	WTOK-DT	MERIDIAN MS	367.4	APP	USERRECORD-01

Total scenarios = 160

Result key: 240

Scenario 24 Affected station 8

Before Analysis

Results for: 11A GA COLUMBUS DTVPLN DTVP0307 PLN  
HAAT 507.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1462055	46658.0
not affected by terrain losses	1377145	44779.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	84122	2217.4

**Table 1 WTOK-DT OET Bulletin 69 Interference Study**

(worst-case scenarios shown page 9 of 22)

lost to ATV IX only	84122	2217.4
lost to all IX	84122	2217.4

Potential Interfering Stations Included in above Scenario 24

10A AL DOZIER	BMPEDT	20080619AGY	CP
10A GA ALBANY	BMPCDT	20080620ALA	CP
10A GA ATLANTA	BLCDT	20040302AAO	LIC
11A GA SAVANNAH	BMPCDT	20080619ACE	CP
12A AL MONTGOMERY	DTVPLN	DTVP0359	PLN
12A GA ALBANY	DTVPLN	DTVP0367	PLN
11A MS MERIDIAN	DTVPLN	DTVP0325	PLN

After Analysis

Results for: 11A GA COLUMBUS	DTVPLN	DTVP0307	PLN
HAAT 507.0 m, ATV ERP 50.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1462055	46658.0	
not affected by terrain losses	1377145	44779.2	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	84475	2257.7	
lost to ATV IX only	84475	2257.7	
lost to all IX	84475	2257.7	

Potential Interfering Stations Included in above Scenario 24

10A AL DOZIER	BMPEDT	20080619AGY	CP
10A GA ALBANY	BMPCDT	20080620ALA	CP
10A GA ATLANTA	BLCDT	20040302AAO	LIC
11A GA SAVANNAH	BMPCDT	20080619ACE	CP
12A AL MONTGOMERY	DTVPLN	DTVP0359	PLN
12A GA ALBANY	DTVPLN	DTVP0367	PLN
11A MS MERIDIAN	USERRECORD01		APP

Percent new IX = 0.0273%

Worst case new IX 0.0273% Scenario 24

#####

Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
11	WTVM	COLUMBUS GA	BPCDT	-20090204ACL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	WDIQ	DOZIER AL	174.5	CP MOD	BMPEDT	-20080619AGY
10	WDIQ	DOZIER AL	174.5	PLN	DTVPLN	-DTVP0237
10	WALB	ALBANY GA	140.3	PLN	DTVPLN	-DTVP0249
10	WALB	ALBANY GA	140.3	CP MOD	BMPCDT	-20080620ALA
10	WXIA-TV	ATLANTA GA	164.7	LIC	BLCDT	-20040302AAO
10	WXIA-TV	ATLANTA GA	164.7	PLN	DTVPLN	-DTVP0250
11	WTVM-DR	COLUMBUS GA	0.0	APP	BPRM	-20080620AOM
11	WJSP-DR	COLUMBUS GA	59.2	APP	BPRM	-20080619ALS
11	WTOC-TV	SAVANNAH GA	323.9	PLN	DTVPLN	-DTVP0308
11	WTOC-TV	SAVANNAH GA	323.9	CP MOD	BMPCDT	-20080619ACE

**Table 1 WTOK-DT OET Bulletin 69 Interference Study**

(worst-case scenarios shown page 10 of 22)

11	WTOK-TV	MERIDIAN MS	367.4	PLN	DTVPLN	-DTVP0325
12	WSFA	MONTGOMERY AL	135.8	CP MOD	BMPCDT	-20080620ABY
12	WSFA	MONTGOMERY AL	135.8	PLN	DTVPLN	-DTVP0359
12	WFXL	ALBANY GA	140.3	LIC	BLCDT	-20070725AFF
12	WFXL	ALBANY GA	140.3	PLN	DTVPLN	-DTVP0367
11	WTOK-DT	MERIDIAN MS	367.4	APP	USERRECORD-01	

Total scenarios = 160

Result key: 400

Scenario 24 Affected station 9

Before Analysis

Results for: 11A GA COLUMBUS	BPCDT	20090204ACL	CP
HAAT 507.0 m, ATV ERP 50.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1462055	46658.0	
not affected by terrain losses	1377145	44779.2	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	84122	2217.4	
lost to ATV IX only	84122	2217.4	
lost to all IX	84122	2217.4	

Potential Interfering Stations Included in above Scenario 24

10A AL DOZIER	BMPEDT	20080619AGY	CP
10A GA ALBANY	BMPCDT	20080620ALA	CP
10A GA ATLANTA	BLCDT	20040302AAO	LIC
11A GA SAVANNAH	BMPCDT	20080619ACE	CP
12A AL MONTGOMERY	DTVPLN	DTVP0359	PLN
12A GA ALBANY	DTVPLN	DTVP0367	PLN
11A MS MERIDIAN	DTVPLN	DTVP0325	PLN

After Analysis

Results for: 11A GA COLUMBUS	BPCDT	20090204ACL	CP
HAAT 507.0 m, ATV ERP 50.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1462055	46658.0	
not affected by terrain losses	1377145	44779.2	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	84475	2257.7	
lost to ATV IX only	84475	2257.7	
lost to all IX	84475	2257.7	

Potential Interfering Stations Included in above Scenario 24

10A AL DOZIER	BMPEDT	20080619AGY	CP
10A GA ALBANY	BMPCDT	20080620ALA	CP
10A GA ATLANTA	BLCDT	20040302AAO	LIC
11A GA SAVANNAH	BMPCDT	20080619ACE	CP
12A AL MONTGOMERY	DTVPLN	DTVP0359	PLN
12A GA ALBANY	DTVPLN	DTVP0367	PLN
11A MS MERIDIAN	USERRECORD01		APP

Percent new IX = 0.0273%

Worst case new IX 0.0273% Scenario 24

#####

**Table 1 WTKO-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 11 of 22)

Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
11	WTVM-DR	COLUMBUS GA	BPRM	-20080620AOM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	WDIQ	DOZIER AL	174.5	CP MOD	BMPEDT	-20080619AGY
10	WDIQ	DOZIER AL	174.5	PLN	DTVPLN	-DTVPO237
10	WALB	ALBANY GA	140.3	PLN	DTVPLN	-DTVPO249
10	WALB	ALBANY GA	140.3	CP MOD	BMPCDT	-20080620ALA
10	WXIA-TV	ATLANTA GA	164.7	LIC	BLCDT	-20040302AAO
10	WXIA-TV	ATLANTA GA	164.7	PLN	DTVPLN	-DTVPO250
11	WTVM	COLUMBUS GA	0.0	PLN	DTVPLN	-DTVPO307
11	WTVM	COLUMBUS GA	0.0	CP	BPCDT	-20090204ACL
11	WJSP-DR	COLUMBUS GA	59.2	APP	BPRM	-20080619ALS
11	WTOC-TV	SAVANNAH GA	323.9	PLN	DTVPLN	-DTVPO308
11	WTOC-TV	SAVANNAH GA	323.9	CP MOD	BMPCDT	-20080619ACE
11	WTKO-TV	MERIDIAN MS	367.4	PLN	DTVPLN	-DTVPO325
12	WSFA	MONTGOMERY AL	135.8	CP MOD	BMPCDT	-20080620ABY
12	WSFA	MONTGOMERY AL	135.8	PLN	DTVPLN	-DTVPO359
12	WFXL	ALBANY GA	140.3	LIC	BLCDT	-20070725AFF
12	WFXL	ALBANY GA	140.3	PLN	DTVPLN	-DTVPO367
11	WTKO-DT	MERIDIAN MS	367.4	APP	USERRECORD-01	

Total scenarios = 192

Result key: 537  
Scenario 1 Affected station 10  
Before Analysis

Results for: 11A GA COLUMBUS BPRM 20080620AOM APP  
HAAT 507.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1462055	46658.0
not affected by terrain losses	1377145	44779.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1270583	40340.4
lost to ATV IX only	1270583	40340.4
lost to all IX	1270583	40340.4

Potential Interfering Stations Included in above Scenario 1

10A AL DOZIER	BMPEDT	20080619AGY	CP
10A GA ALBANY	DTVPLN	DTVPO249	PLN
10A GA ATLANTA	BLCDT	20040302AAO	LIC
11A GA COLUMBUS	DTVPLN	DTVPO307	PLN
11A GA SAVANNAH	DTVPLN	DTVPO308	PLN
12A AL MONTGOMERY	BMPCDT	20080620ABY	CP
12A GA ALBANY	BLCDT	20070725AFF	LIC
11A MS MERIDIAN	DTVPLN	DTVPO325	PLN

After Analysis

Results for: 11A GA COLUMBUS BPRM 20080620AOM APP  
HAAT 507.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1462055	46658.0

**Table 1 WTKO-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 12 of 22)

not affected by terrain losses	1377145	44779.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1270583	40340.4
lost to ATV IX only	1270583	40340.4
lost to all IX	1270583	40340.4

Potential Interfering Stations Included in above Scenario 1

10A AL DOZIER	BMPEDT	20080619AGY	CP
10A GA ALBANY	DTVPLN	DTVPO249	PLN
10A GA ATLANTA	BLCDT	20040302AAO	LIC
11A GA COLUMBUS	DTVPLN	DTVPO307	PLN
11A GA SAVANNAH	DTVPLN	DTVPO308	PLN
12A AL MONTGOMERY	BMPCDT	20080620ABY	CP
12A GA ALBANY	BLCDT	20070725AFF	LIC
11A MS MERIDIAN	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

#####

Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
11	WJSP-DR	COLUMBUS GA	BPRM	-20080619ALS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	WBIQ	BIRMINGHAM AL	208.1	CP	BPEDT	-20080306ABA
10	WBIQ	BIRMINGHAM AL	208.1	PLN	DTVPLN	-DTVPO236
10	WDIQ	DOZIER AL	214.7	CP MOD	BMPEDT	-20080619AGY
10	WDIQ	DOZIER AL	214.7	PLN	DTVPLN	-DTVPO237
10	WALB	ALBANY GA	186.6	PLN	DTVPLN	-DTVPO249
10	WALB	ALBANY GA	186.6	CP MOD	BMPCDT	-20080620ALA
10	WXIA-TV	ATLANTA GA	106.2	LIC	BLCDT	-20040302AAO
10	WXIA-TV	ATLANTA GA	106.2	PLN	DTVPLN	-DTVPO250
11	WTVM	COLUMBUS GA	59.2	PLN	DTVPLN	-DTVPO307
11	WTVM	COLUMBUS GA	59.2	CP	BPCDT	-20090204ACL
11	WTVM-DR	COLUMBUS GA	59.2	APP	BPRM	-20080620AOM
11	WTOC-TV	SAVANNAH GA	326.5	PLN	DTVPLN	-DTVPO308
11	WTOC-TV	SAVANNAH GA	326.5	CP MOD	BMPCDT	-20080619ACE
11	WTKO-TV	MERIDIAN MS	378.2	PLN	DTVPLN	-DTVPO325
12	WSFA	MONTGOMERY AL	168.3	CP MOD	BMPCDT	-20080620ABY
12	WSFA	MONTGOMERY AL	168.3	PLN	DTVPLN	-DTVPO359
12	WFXL	ALBANY GA	186.6	LIC	BLCDT	-20070725AFF
12	WFXL	ALBANY GA	186.6	PLN	DTVPLN	-DTVPO367
11	WTKO-DT	MERIDIAN MS	378.2	APP	USERRECORD-01	

Total scenarios = 48

Result key: 729  
Scenario 1 Affected station 11  
Before Analysis

Results for: 11A GA COLUMBUS BPRM 20080619ALS APP

**Table 1 WTKO-DT OET Bulletin 69 Interference Study**

(worst-case scenarios shown page 13 of 22)

HAAT	460.0 m, ATV ERP	2.0 kW		
		POPULATION	AREA (sq km)	
within Noise Limited Contour		1404331	25852.8	
not affected by terrain losses		1380557	25315.7	
lost to NTSC IX		0	0.0	
lost to additional IX by ATV		957428	15808.3	
lost to ATV IX only		957428	15808.3	
lost to all IX		957428	15808.3	
Potential Interfering Stations Included in above Scenario 1				
10A GA ATLANTA	BLCDT	20040302AAO	LIC	
11A GA COLUMBUS	DTVPLN	DTVP0307	PLN	
11A GA SAVANNAH	DTVPLN	DTVP0308	PLN	
12A AL MONTGOMERY	BMPCDT	20080620ABY	CP	

## After Analysis

Results for: 11A GA COLUMBUS	BPRM	20080619ALS	APP
HAAT	460.0 m, ATV ERP	2.0 kW	
		POPULATION	AREA (sq km)
within Noise Limited Contour		1404331	25852.8
not affected by terrain losses		1380557	25315.7
lost to NTSC IX		0	0.0
lost to additional IX by ATV		957428	15808.3
lost to ATV IX only		957428	15808.3
lost to all IX		957428	15808.3

Potential Interfering Stations Included in above Scenario 1

10A GA ATLANTA	BLCDT	20040302AAO	LIC
11A GA COLUMBUS	DTVPLN	DTVP0307	PLN
11A GA SAVANNAH	DTVPLN	DTVP0308	PLN
12A AL MONTGOMERY	BMPCDT	20080620ABY	CP
11A MS MERIDIAN	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

#####

## Analysis of Interference to Affected Station 12

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
11	KAQY	COLUMBIA LA	BPCDT -20080619AIX

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
10	KETZ	EL DORADO AR	99.0	PLN	DTVPLN -DTVP0238
10	KETZ	EL DORADO AR	99.0	CP MOD	BMPEDT -20090324ACT
10	KLFY-TV	LAFAYETTE LA	209.4	CP MOD	BMPCDT -20080618AEH
10	KLFY-TV	LAFAYETTE LA	209.4	PLN	DTVPLN -DTVP0258
11	WYES-TV	NEW ORLEANS LA	320.9	LIC	BLEDT -20040804AFR
11	WYES-TV	NEW ORLEANS LA	320.9	PLN	DTVPLN -DTVP0318
11	WYES-TV	NEW ORLEANS LA	320.9	CP	BPEDT -20080620AEW
11	WTKO-TV	MERIDIAN MS	317.9	PLN	DTVPLN -DTVP0325
12	WJTV	JACKSON MS	156.8	PLN	DTVPLN -DTVP0384

**Table 1 WTKO-DT OET Bulletin 69 Interference Study**

(worst-case scenarios shown page 14 of 22)

12	WJTV	JACKSON MS	156.8	CP MOD	BMPCDT	-20080619ABX
11	WTKO-DT	MERIDIAN MS	317.9	APP	USERRECORD-01	

Total scenarios = 12

Result key: 787  
Scenario 11 Affected station 12  
Before Analysis

Results for: 11A LA COLUMBIA	BPCDT	20080619AIX	CP
HAAT	518.0 m, ATV ERP	12.3 kW	
		POPULATION	AREA (sq km)
within Noise Limited Contour		627176	37724.4
not affected by terrain losses		618362	37280.3
lost to NTSC IX		0	0.0
lost to additional IX by ATV		7209	1166.8
lost to ATV IX only		7209	1166.8
lost to all IX		7209	1166.8

Potential Interfering Stations Included in above Scenario 11

10A AR EL DORADO	BMPEDT	20090324ACT	CP
11A LA NEW ORLEANS	BPEDT	20080620AEW	CP
12A MS JACKSON	DTVPLN	DTVP0384	PLN
11A MS MERIDIAN	DTVPLN	DTVP0325	PLN

## After Analysis

Results for: 11A LA COLUMBIA	BPCDT	20080619AIX	CP
HAAT	518.0 m, ATV ERP	12.3 kW	
		POPULATION	AREA (sq km)
within Noise Limited Contour		627176	37724.4
not affected by terrain losses		618362	37280.3
lost to NTSC IX		0	0.0
lost to additional IX by ATV		7674	1182.9
lost to ATV IX only		7674	1182.9
lost to all IX		7674	1182.9

Potential Interfering Stations Included in above Scenario 11

10A AR EL DORADO	BMPEDT	20090324ACT	CP
11A LA NEW ORLEANS	BPEDT	20080620AEW	CP
12A MS JACKSON	DTVPLN	DTVP0384	PLN
11A MS MERIDIAN	USERRECORD01		APP

Percent new IX = 0.0761%

Worst case new IX 0.0761% Scenario 11

#####

## Analysis of Interference to Affected Station 13

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
11	KAQY	COLUMBIA LA	DTVPLN -DTVP0317

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
------	------	------------	----------	--------	----------------------

**Table 1 WTOK-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 15 of 22)

10	KETZ	EL DORADO AR	113.7	PLN	DTVPLN	-DTVP0238
10	KETZ	EL DORADO AR	113.7	CP MOD	BMPEDT	-20090324ACT
10	KLFY-TV	LAFAYETTE LA	192.9	CP MOD	BMPCDT	-20080618AEH
10	KLFY-TV	LAFAYETTE LA	192.9	PLN	DTVPLN	-DTVP0258
11	WYES-TV	NEW ORLEANS LA	316.2	LIC	BLEDT	-20040804AFR
11	WYES-TV	NEW ORLEANS LA	316.2	PLN	DTVPLN	-DTVP0318
11	WYES-TV	NEW ORLEANS LA	316.2	CP	BPEDT	-20080620AEW
11	WTOK-TV	MERIDIAN MS	330.2	PLN	DTVPLN	-DTVP0325
11	KHOU-TV	HOUSTON TX	420.6	PLN	DTVPLN	-DTVP0348
11	KHOU-TV	HOUSTON TX	420.6	CP	BPEDT	-20080303ALI
11	KHOU-TV	HOUSTON TX	420.6	APP	BMPEDT	-20080618AAW
12	WJTV	JACKSON MS	169.0	PLN	DTVPLN	-DTVP0384
12	WJTV	JACKSON MS	169.0	CP MOD	BMPCDT	-20080619ABX
11	WTOK-DT	MERIDIAN MS	330.2	APP	USERRECORD-01	

Total scenarios = 12

Result key: 796  
Scenario 8 Affected station 13  
Before Analysis

Results for: 11A LA COLUMBIA		DTVPLN	DTVP0317	PLN
HAAT 572.0 m, ATV ERP 17.8 kW				
	POPULATION	AREA (sq km)		
within Noise Limited Contour	684676	41919.6		
not affected by terrain losses	679840	41548.4		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	3420	898.0		
lost to ATV IX only	3420	898.0		
lost to all IX	3420	898.0		

Potential Interfering Stations Included in above Scenario 8

10A AR EL DORADO	BMPEDT	20090324ACT	CP
11A LA NEW ORLEANS	BLEDT	20040804AFR	LIC
12A MS JACKSON	BMPEDT	20080619ABX	CP
11A MS MERIDIAN	DTVPLN	DTVP0325	PLN

After Analysis

Results for: 11A LA COLUMBIA		DTVPLN	DTVP0317	PLN
HAAT 572.0 m, ATV ERP 17.8 kW				
	POPULATION	AREA (sq km)		
within Noise Limited Contour	684676	41919.6		
not affected by terrain losses	679840	41548.4		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	3421	906.0		
lost to ATV IX only	3421	906.0		
lost to all IX	3421	906.0		

Potential Interfering Stations Included in above Scenario 8

10A AR EL DORADO	BMPEDT	20090324ACT	CP
11A LA NEW ORLEANS	BLEDT	20040804AFR	LIC
12A MS JACKSON	BMPEDT	20080619ABX	CP
11A MS MERIDIAN	USERRECORD01		APP

Percent new IX = 0.0001%

Worst case new IX 0.0001% Scenario 8

#####

**Table 1 WTOK-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 16 of 22)

Analysis of Interference to Affected Station 14

Analysis of current record				
Channel	Call	City/State	Application	Ref. No.
11	WYES-TV	NEW ORLEANS LA	BLEDT	-20040804AFR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	KLFY-TV	LAFAYETTE LA	228.0	CP MOD	BMPEDT	-20080618AEH
10	KLFY-TV	LAFAYETTE LA	228.0	PLN	DTVPLN	-DTVP0258
11	KAQY	COLUMBIA LA	320.9	CP	BPEDT	-20080619AIX
11	KAQY	COLUMBIA LA	316.2	PLN	DTVPLN	-DTVP0317
11	WTOK-TV	MERIDIAN MS	289.7	PLN	DTVPLN	-DTVP0325
11	WTOK-DT	MERIDIAN MS	289.7	APP	USERRECORD-01	

Total scenarios = 1

Result key: 801  
Scenario 1 Affected station 14  
Before Analysis

Results for: 11A LA NEW ORLEANS		BLEDT	20040804AFR	LIC
HAAT 306.0 m, ATV ERP 70.8 kW				
	POPULATION	AREA (sq km)		
within Noise Limited Contour	1898921	30024.5		
not affected by terrain losses	1898789	30012.4		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	119	20.1		
lost to ATV IX only	119	20.1		
lost to all IX	119	20.1		

Potential Interfering Stations Included in above Scenario 1

11A MS MERIDIAN	DTVPLN	DTVP0325	PLN
-----------------	--------	----------	-----

After Analysis

Results for: 11A LA NEW ORLEANS		BLEDT	20040804AFR	LIC
HAAT 306.0 m, ATV ERP 70.8 kW				
	POPULATION	AREA (sq km)		
within Noise Limited Contour	1898921	30024.5		
not affected by terrain losses	1898789	30012.4		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	3802	88.6		
lost to ATV IX only	3802	88.6		
lost to all IX	3802	88.6		

Potential Interfering Stations Included in above Scenario 1

11A MS MERIDIAN	USERRECORD01	APP
-----------------	--------------	-----

Percent new IX = 0.1940%

Worst case new IX 0.1940% Scenario 1

#####

**Table 1 WTOK-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 17 of 22)

Analysis of Interference to Affected Station 15

Analysis of current record				
Channel	Call	City/State	Application	Ref. No.
11	WYES-TV	NEW ORLEANS LA	DTVPLN	-DTVP0318

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	KLFY-TV	LAFAYETTE LA	228.0	CP MOD	BMPCDT	-20080618AEH
10	KLFY-TV	LAFAYETTE LA	228.0	PLN	DTVPLN	-DTVP0258
11	KAQY	COLUMBIA LA	320.9	CP	BPCDT	-20080619AIX
11	KAQY	COLUMBIA LA	316.2	PLN	DTVPLN	-DTVP0317
11	WTOK-TV	MERIDIAN MS	289.7	PLN	DTVPLN	-DTVP0325
11	WTOK-DT	MERIDIAN MS	289.7	APP	USERRECORD-01	

Total scenarios = 1

Result key: 802  
Scenario 1 Affected station 15  
Before Analysis

Results for: 11A LA NEW ORLEANS				
HAAT	306.0 m, ATV ERP	70.8 kW	DTVPLN	DTVP0318 PLN
		POPULATION	AREA (sq km)	
within Noise Limited Contour		1898921	30024.5	
not affected by terrain losses		1898789	30012.4	
lost to NTSC IX		0	0.0	
lost to additional IX by ATV		119	20.1	
lost to ATV IX only		119	20.1	
lost to all IX		119	20.1	

Potential Interfering Stations Included in above Scenario 1

11A MS MERIDIAN DTVPLN DTVP0325 PLN

After Analysis

Results for: 11A LA NEW ORLEANS				
HAAT	306.0 m, ATV ERP	70.8 kW	DTVPLN	DTVP0318 PLN
		POPULATION	AREA (sq km)	
within Noise Limited Contour		1898921	30024.5	
not affected by terrain losses		1898789	30012.4	
lost to NTSC IX		0	0.0	
lost to additional IX by ATV		3802	88.6	
lost to ATV IX only		3802	88.6	
lost to all IX		3802	88.6	

Potential Interfering Stations Included in above Scenario 1

11A MS MERIDIAN USERRECORD01 APP

Percent new IX = 0.1940%

Worst case new IX 0.1940% Scenario 1

#####

**Table 1 WTOK-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 18 of 22)

Analysis of Interference to Affected Station 16

Analysis of current record				
Channel	Call	City/State	Application	Ref. No.
11	WYES-TV	NEW ORLEANS LA	BPEDT	-20080620AEW

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	KLFY-TV	LAFAYETTE LA	228.0	CP MOD	BMPCDT	-20080618AEH
10	KLFY-TV	LAFAYETTE LA	228.0	PLN	DTVPLN	-DTVP0258
11	KAQY	COLUMBIA LA	320.9	CP	BPCDT	-20080619AIX
11	KAQY	COLUMBIA LA	316.2	PLN	DTVPLN	-DTVP0317
11	WTOK-TV	MERIDIAN MS	289.7	PLN	DTVPLN	-DTVP0325
11	WTOK-DT	MERIDIAN MS	289.7	APP	USERRECORD-01	

Total scenarios = 1

Result key: 803  
Scenario 1 Affected station 16  
Before Analysis

Results for: 11A LA NEW ORLEANS				
HAAT	306.0 m, ATV ERP	104.0 kW	BPEDT	20080620AEW CP
		POPULATION	AREA (sq km)	
within Noise Limited Contour		1962135	31985.3	
not affected by terrain losses		1961873	31953.1	
lost to NTSC IX		0	0.0	
lost to additional IX by ATV		0	0.0	
lost to ATV IX only		0	0.0	
lost to all IX		0	0.0	

Potential Interfering Stations Included in above Scenario 1

After Analysis

Results for: 11A LA NEW ORLEANS				
HAAT	306.0 m, ATV ERP	104.0 kW	BPEDT	20080620AEW CP
		POPULATION	AREA (sq km)	
within Noise Limited Contour		1962135	31985.3	
not affected by terrain losses		1961873	31953.1	
lost to NTSC IX		0	0.0	
lost to additional IX by ATV		2675	92.6	
lost to ATV IX only		2675	92.6	
lost to all IX		2675	92.6	

Potential Interfering Stations Included in above Scenario 1

11A MS MERIDIAN USERRECORD01 APP

Percent new IX = 0.1363%

Worst case new IX 0.1363% Scenario 1

#####

Analysis of Interference to Affected Station 17

**Table 1 WTKO-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 19 of 22)

Analysis of current record  
Channel Call City/State Application Ref. No.  
12 WJTV JACKSON MS DTVPLN -DTV0384

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
11	KAQY	COLUMBIA LA	156.8	CP	BPCDT -20080619AIX
11	KAQY	COLUMBIA LA	169.0	PLN	DTVPLN -DTV0317
11	WTOK-TV	MERIDIAN MS	161.3	PLN	DTVPLN -DTV0325
12	WSFA	MONTGOMERY AL	400.4	CP MOD	BMPEDT -20080620ABY
12	WSFA	MONTGOMERY AL	400.4	PLN	DTVPLN -DTV0359
12	KTHV	LITTLE ROCK AR	344.3	LIC	BLCDD -20041029AIX
12	KTHV	LITTLE ROCK AR	344.3	PLN	DTVPLN -DTV0360
12	WMAE-TV	BOONEVILLE MS	310.2	CP MOD	BMPEDT -20080619AGQ
12	WMAE-TV	BOONEVILLE MS	310.2	PLN	DTVPLN -DTV0383
12	KBMT	BEAUMONT TX	401.9	PLN	DTVPLN -DTV0405
12	KBMT	BEAUMONT TX	401.7	CP MOD	BMPEDT -20090428AAQ
13	WBRZ-TV	BATON ROUGE LA	228.7	CP	BPCDT -20001031ABT
13	WBRZ-TV	BATON ROUGE LA	228.7	PLN	DTVPLN -DTV0441
13	KLTM-TV	MONROE LA	156.7	PLN	DTVPLN -DTV0442
13	KLTM-TV	MONROE LA	156.8	CP	BPEDT -20080514AEO
13	WLOX	BILOXI MS	209.6	CP MOD	BMPEDT -20080620AMU
13	WLOX	BILOXI MS	209.6	PLN	DTVPLN -DTV0448
11	WTOK-DT	MERIDIAN MS	161.3	APP	USERRECORD-01

Total scenarios = 8

Result key: 804  
Scenario 1 Affected station 17  
Before Analysis

Results for: 12A MS JACKSON DTVPLN DTV0384 PLN  
HAAT 497.0 m, ATV ERP 20.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	862788	39415.3
not affected by terrain losses	855785	38793.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3190	314.7
lost to ATV IX only	3190	314.7
lost to all IX	3190	314.7

Potential Interfering Stations Included in above Scenario 1

11A LA COLUMBIA	BPCDT	20080619AIX	CP
12A AR LITTLE ROCK	BLCDD	20041029AIX	LIC
12A MS BOONEVILLE	BMPEDT	20080619AGQ	CP
13A LA MONROE	DTVPLN	DTV0442	PLN

After Analysis

Results for: 12A MS JACKSON DTVPLN DTV0384 PLN  
HAAT 497.0 m, ATV ERP 20.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	862788	39415.3
not affected by terrain losses	855785	38793.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3239	322.8
lost to ATV IX only	3239	322.8
lost to all IX	3239	322.8

**Table 1 WTKO-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 20 of 22)

Potential Interfering Stations Included in above Scenario 1

11A LA COLUMBIA	BPCDT	20080619AIX	CP
12A AR LITTLE ROCK	BLCDD	20041029AIX	LIC
12A MS BOONEVILLE	BMPEDT	20080619AGQ	CP
13A LA MONROE	DTVPLN	DTV0442	PLN
11A MS MERIDIAN	USERRECORD01		APP

Percent new IX = 0.0057%

Worst case new IX 0.0057% Scenario 1

#####

Analysis of Interference to Affected Station 18

Analysis of current record  
Channel Call City/State Application Ref. No.  
12 WJTV JACKSON MS BMPEDT -20080619ABX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
11	KAQY	COLUMBIA LA	156.8	CP	BPCDT -20080619AIX
11	KAQY	COLUMBIA LA	169.0	PLN	DTVPLN -DTV0317
11	WTOK-TV	MERIDIAN MS	161.3	PLN	DTVPLN -DTV0325
12	WSFA	MONTGOMERY AL	400.4	CP MOD	BMPEDT -20080620ABY
12	WSFA	MONTGOMERY AL	400.4	PLN	DTVPLN -DTV0359
12	KTHV	LITTLE ROCK AR	344.3	LIC	BLCDD -20041029AIX
12	KTHV	LITTLE ROCK AR	344.3	PLN	DTVPLN -DTV0360
12	WMAE-TV	BOONEVILLE MS	310.2	CP MOD	BMPEDT -20080619AGQ
12	WMAE-TV	BOONEVILLE MS	310.2	PLN	DTVPLN -DTV0383
12	KBMT	BEAUMONT TX	401.9	PLN	DTVPLN -DTV0405
12	KBMT	BEAUMONT TX	401.7	CP MOD	BMPEDT -20090428AAQ
13	WBRZ-TV	BATON ROUGE LA	228.7	CP	BPCDT -20001031ABT
13	WBRZ-TV	BATON ROUGE LA	228.7	PLN	DTVPLN -DTV0441
13	KLTM-TV	MONROE LA	156.7	PLN	DTVPLN -DTV0442
13	KLTM-TV	MONROE LA	156.8	CP	BPEDT -20080514AEO
13	WLOX	BILOXI MS	209.6	CP MOD	BMPEDT -20080620AMU
13	WLOX	BILOXI MS	209.6	PLN	DTVPLN -DTV0448
11	WTOK-DT	MERIDIAN MS	161.3	APP	USERRECORD-01

Total scenarios = 64

Result key: 828  
Scenario 17 Affected station 18  
Before Analysis

Results for: 12A MS JACKSON BMPEDT 20080619ABX CP  
HAAT 491.0 m, ATV ERP 49.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	961826	45767.7
not affected by terrain losses	950735	44944.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	13190	807.0
lost to ATV IX only	13190	807.0
lost to all IX	13190	807.0

Potential Interfering Stations Included in above Scenario 17

**Table 1 WTOK-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 21 of 22)

11A LA COLUMBIA	BPCDT	20080619AIX	CP
12A AL MONTGOMERY	DTVPLN	DTVP0359	PLN
12A AR LITTLE ROCK	BLCDT	20041029AIX	LIC
12A MS BOONEVILLE	BMPEDT	20080619AGQ	CP
12A TX BEAUMONT	DTVPLN	DTVP0405	PLN
13A LA MONROE	DTVPLN	DTVP0442	PLN
11A MS MERIDIAN	DTVPLN	DTVP0325	PLN

After Analysis

Results for: 12A MS JACKSON                      BMPCDT      20080619ABX    CP

HAAT    491.0 m, ATV ERP    49.2 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	961826	45767.7
not affected by terrain losses	950735	44944.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	16005	847.4
lost to ATV IX only	16005	847.4
lost to all IX	16005	847.4

Potential Interfering Stations Included in above Scenario    17

11A LA COLUMBIA	BPCDT	20080619AIX	CP
12A AL MONTGOMERY	DTVPLN	DTVP0359	PLN
12A AR LITTLE ROCK	BLCDT	20041029AIX	LIC
12A MS BOONEVILLE	BMPEDT	20080619AGQ	CP
12A TX BEAUMONT	DTVPLN	DTVP0405	PLN
13A LA MONROE	DTVPLN	DTVP0442	PLN
11A MS MERIDIAN	USERRECORD01	APP	

Percent new IX =      0.3003%

Worst case new IX      0.3003% Scenario      17

#####

Analysis of Interference to Affected Station    19

Analysis of current record

Channel	Call	City/State	Application Ref. No.
11	WTOK-DT	MERIDIAN MS	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
10	WBIQ	BIRMINGHAM AL	217.8	CP	BPEDT -20080306ABA
10	WBIQ	BIRMINGHAM AL	217.8	PLN	DTVPLN -DTVP0236
10	WMAB-TV	MISSISSIPPI STATE MS	121.9	CP	BPEDT -20080619AGS
10	WMAB-TV	MISSISSIPPI STATE MS	121.9	PLN	DTVPLN -DTVP0271
10	WMAB-TV	MISSISSIPPI STATE MS	121.9	LIC	BLEDT -20030326ABX
11	WTVM	COLUMBUS GA	367.4	PLN	DTVPLN -DTVP0307
11	WTVM	COLUMBUS GA	367.4	CP	BPCDT -20090204ACL
11	WTVM-DR	COLUMBUS GA	367.4	APP	BPRM -20080620AOM
11	WJSP-DR	COLUMBUS GA	378.2	APP	BPRM -20080619ALS
11	KAQY	COLUMBIA LA	317.9	CP	BPCDT -20080619AIX
11	KAQY	COLUMBIA LA	330.2	PLN	DTVPLN -DTVP0317
11	WYES-TV	NEW ORLEANS LA	289.7	LIC	BLEDT -20040804AFR
11	WYES-TV	NEW ORLEANS LA	289.7	PLN	DTVPLN -DTVP0318
11	WYES-TV	NEW ORLEANS LA	289.7	CP	BPEDT -20080620AEW

**Table 1 WTOK-DT OET Bulletin 69 Interference Study**  
(worst-case scenarios shown page 22 of 22)

12	WJTV	JACKSON MS	161.3	PLN	DTVPLN	-DTVP0384
12	WJTV	JACKSON MS	161.3	CP MOD	BMPCDT	-20080619ABX

Total scenarios =    216

Results for: 11A MS MERIDIAN                      USERRECORD01                      APP

HAAT    160.0 m, ATV ERP    40.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	377453	26938.0
not affected by terrain losses	370791	26139.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7487	382.9
lost to ATV IX only	7487	382.9
lost to all IX	7487	382.9

Potential Interfering Stations Included in above Scenario    33

10A MS MISSISSIPPI STATE	DTVPLN	DTVP0271	PLN
11A GA COLUMBUS	DTVPLN	DTVP0307	PLN
11A LA COLUMBIA	DTVPLN	DTVP0317	PLN
11A LA NEW ORLEANS	DTVPLN	DTVP0318	PLN
12A MS JACKSON	DTVPLN	DTVP0384	PLN

#####

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

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 checked="" type="radio"/> Yes <input 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.	
TECH BOX	
1.	Channel Number:  DTV 11 Analog TV, if any 11
2.	Zone: <input type="radio"/> I <input type="radio"/> II <input checked="" type="radio"/> III
3.	Antenna Location Coordinates: (NAD 27) Latitude: Degrees 32 Minutes 19 Seconds 38 <input checked="" type="radio"/> North <input type="radio"/> South  Longitude: Degrees 88 Minutes 41 Seconds 28 <input checked="" type="radio"/> West <input type="radio"/> East
4.	Antenna Structure Registration Number: 1041065 <input type="checkbox"/> Not Applicable <input type="checkbox"/> Notification filed with FAA
5.	Antenna Location Site Elevation Above Mean Sea Level: 203.6 meters
6.	Overall Tower Height Above Ground Level: 96.3 meters
7.	Height of Radiation Center Above Ground Level: 84.5 meters
8.	Height of Radiation Center Above Average Terrain : 160 meters
9.	Maximum Effective Radiated Power (average power): 40 kW

10.	Antenna Specifications:	
	a. Manufacturer RCA    Model TF-12AH	
	b. Electrical Beam Tilt: degrees <input checked="" type="checkbox"/> Not Applicable	
	c. Mechanical Beam Tilt: degrees toward azimuth degrees True <input checked="" type="checkbox"/> Not Applicable Attach as an Exhibit all data specified in 47 C.F.R. Section 73.625(c). [Exhibit 43]	
	d. Polarization: <input checked="" type="radio"/> Horizontal <input type="radio"/> Circular <input type="radio"/> Elliptical	
	e. Directional Antenna Relative Field Values: <input checked="" type="checkbox"/> Not applicable (Nondirectional)	
	[For a composite directional (not off-the-shelf) antenna, press the following button to fill in the relative field values subform.] [Relative Field Values]	
	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 44]	
11.	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 45]
	If "No," attach as an Exhibit justification therefor, including a summary of any related previously granted waivers.	
12.	If the proposed facility will not satisfy the coverage requirement of 47 C.F.R. Section 73.625, attach as an Exhibit justification therefore. (Applicable only if <b>Certification Checklist</b> item 3 is answered "No.")	[Exhibit 46]
13.	<b>Environmental Protection Act. Submit in an Exhibit</b> the following: 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.  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.  If <b>Certification Checklist</b> Item 2 is answered "No," an Environmental Assessment as required by 47 C.F.R Section 1.1311.	[Exhibit 47]
<b>PREPARERS CERTIFICATION ON SECTION III MUST BE COMPLETED AND SIGNED.</b>		

### 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 6/8/2009	
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	