

ENGINEERING EXHIBIT

“Maximization” Application for Post-Transition Digital Television Station Construction Permit

prepared for

WKRN, G.P.

WKRN-DT Nashville, TN

Facility ID 73188

Ch. 27 986 kW 411 m

WKRN, G.P. (“*WKRN*”) is the licensee of television station WKRN, analog Channel 2 and digital Channel 27, Nashville, TN. *WKRN* herein seeks a Construction Permit to expand the WKRN-DT post-transition digital facility on Channel 27. WKRN-DT will be remaining on Channel 27 during the post-transition period, as established in Appendix B of the Seventh Report and Order in MB Docket 87-278. The instant application is intended to be filed by June 20, 2008 in response to the FCC’s lifting of the August 3, 2004 “freeze” concerning expansion in service area.¹

WKRN-DT is presently licensed (BLCDT-20020528AAC) to operate with an effective radiated power (“ERP”) of 946 kW with a nondirectional antenna at 411 meters height above average terrain (“HAAT”). The proposal would increase the ERP to 986 kW with the continued use of the currently licensed antenna system. The antenna is a horizontally polarized Dielectric model TUA-04-15/60H-1-T.

The antenna is top-mounted on an existing antenna supporting structure, having FCC Antenna Structure Registration (“ASR”) number 1058822. No change to the overall structure height and no tower work are required to carry out this proposal.

¹Public Notice “*Commission Lifts the Freeze On the Filing of Maximization Applications and Petitions for Digital Channel Substitutions, Effective Immediately*” DA 08-1213, released May 30, 2008.

A map is supplied as **Figure 1**, which depicts the standard predicted coverage contours. This map includes the location of Nashville, WKRN-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 dB μ contour.

The proposed WKRN-DT facility's predicted service population provides a 100.5 percent match of the Appendix B facility, as detailed in the table below.

Post-Transition Population Summary		
Population Summary (2000 Census)		
OET Bulletin 69 method	Appendix B	Proposed
Within Noise Limited Contour	2,026,552	2,033,319
Not affected by terrain losses	2,009,665	2,019,489
Lost to all interference	2,022	1,921
Net DTV Service	2,007,643	2,017,568
Match of Appendix B	---	100.49%

A detailed interference study per OET Bulletin 69² 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 proposed 986 kW ERP exceeds the maximum allowed for the proposed antenna HAAT of 411 meters currently permitted by §73.622(f)(8)(i). Section 73.622(f)(5) permits the maximum 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 WKRN-DT 41 dB μ contour is 36,064 square kilometers, which does not exceed the 40,244 square kilometers within the licensed and Appendix B post-transition WSMV-DT facility (Ch. 10, Nashville, TN, BLCDT-20021029AAV). A coverage contour comparison map is provided as **Figure 2**. Thus, the ERP specified herein is in compliance with §73.622(f)(5) of the Commission's Rules.

²FCC 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.

The nearest FCC monitoring station is 309 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 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 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 an assumed maximum 20 percent antenna relative field in downward elevations, the calculated signal density near the tower at two meters above ground level attributable to the proposed facility is $17.7 \mu\text{W}/\text{cm}^2$, which is 4.8 percent of the general population/uncontrolled maximum permitted exposure limit. This is below the five percent threshold limit described in §1.1307(b) regarding sites with multiple emitters, categorically excluding the applicant from responsibility for taking any corrective action in the areas where the proposal’s contribution is less than five percent. When the antenna’s actual elevation pattern is considered, the calculated RF exposure level will be even lower.

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.

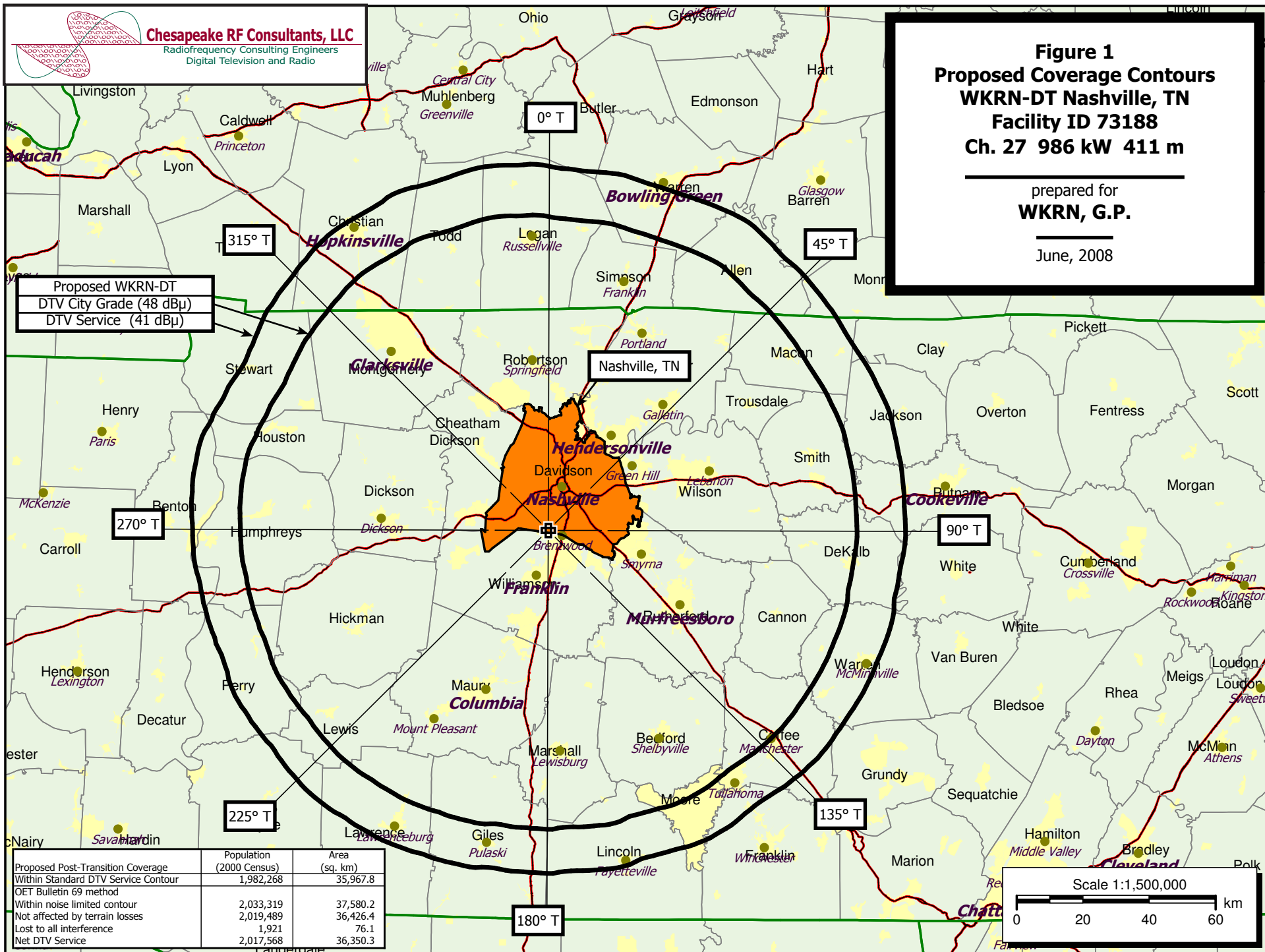
Joseph M. Davis, P.E.
June 11, 2008

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

List of Attachments

Figure 1	Proposed Coverage Contours
Figure 2	Largest Station in Market
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 11, 2008 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.



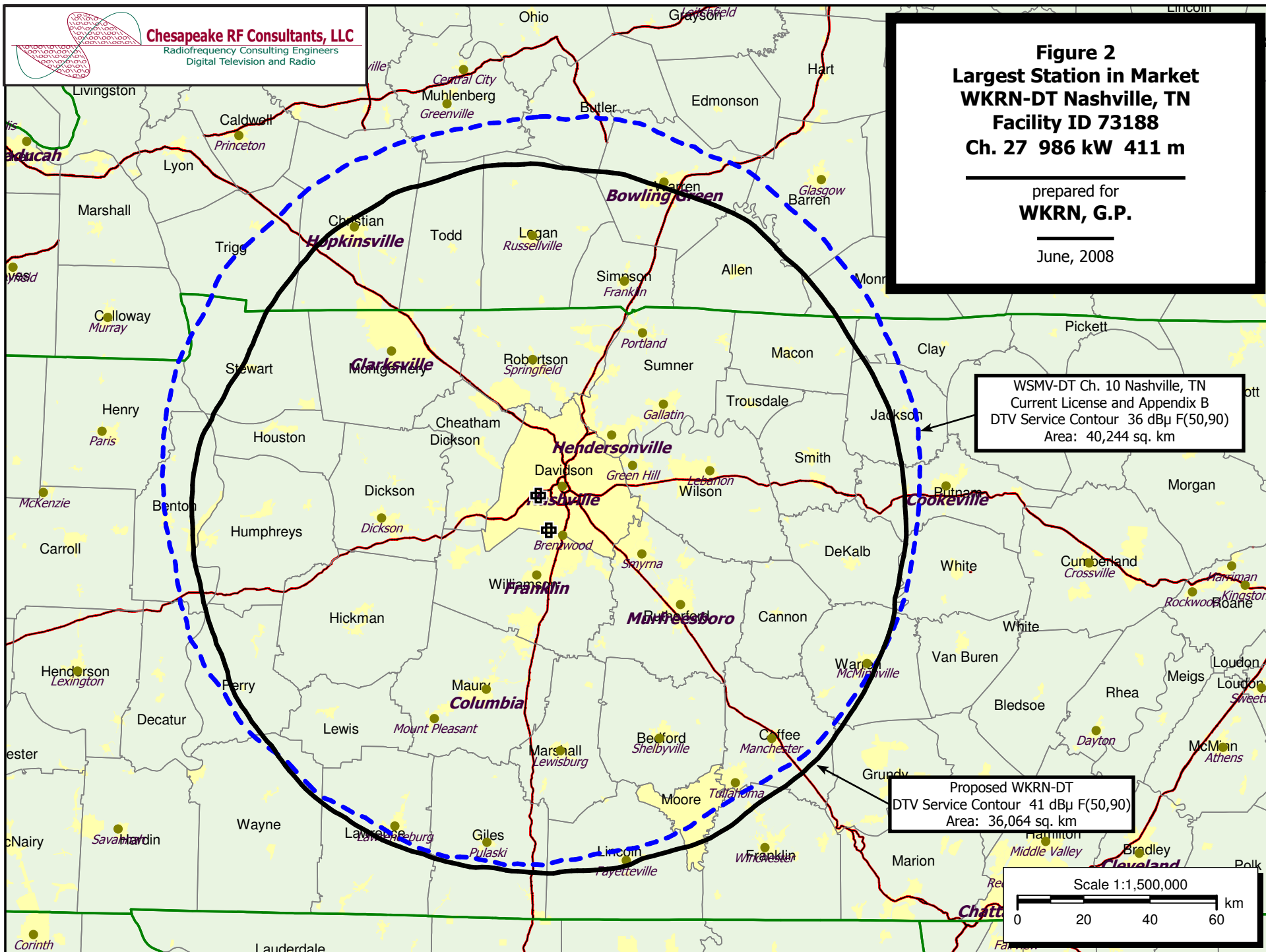


Table 1 WKRN-DT OET Bulletin 69 Interference Study

(worst-case scenarios shown page 1 of 13)

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

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-11-2008 Time: 17:45:06

Record Selected for Analysis

WKRN-DT USERRECORD-01 NASHVILLE TN US
Channel 27 ERP 986. kW HAAT 411. m RCAMSL 00612 m
Latitude 036-02-50 Longitude 0086-49-49
Status APP Zone 2 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 does not meet maximum height/power limits
Channel 27 ERP = 986.00 HAAT = 411.

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	986.000	436.4	109.3
45.0	986.000	428.8	108.6
90.0	986.000	418.1	107.7
135.0	986.000	390.6	105.2
180.0	986.000	368.1	103.2
225.0	986.000	405.9	106.5
270.0	986.000	411.8	107.1
315.0	986.000	428.1	108.6

Evaluation toward Class A Stations

Station inside contour of Class A station
WJDE-LP 24 NASHVILLE TN BLTTA 20001208AEY

Contour overlap to Class A station
WTNB-CA 27 CLEVELAND TN BLTT 19971027JD

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

Table 1 WKRN-DT OET Bulletin 69 Interference Study

(worst-case scenarios shown page 2 of 13)

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station Call City/State	ARN
27	WKRN-DT NASHVILLE TN	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
24	WJDE-LP	NASHVILLE TN	14.3	LIC	BLTTA	-20001208AEY
27	WAIQ	MONTGOMERY AL	410.4	LIC	BLEDT	-20060706ACK
27	WAIQ	MONTGOMERY AL	410.4	PLN	DTVPLN	-DTVP0986
27	WAGA	ATLANTA GA	338.0	LIC	BLCDT	-20060728AEL
27	WAGA	ATLANTA GA	338.0	PLN	DTVPLN	-DTVP0995
27	WIPX	BLOOMINGTON IN	378.0	LIC	BLCDT	-20040406AAH
27	WIPX	BLOOMINGTON IN	378.0	PLN	DTVPLN	-DTVP0999
27	WJTS-LP	JASPER IN	258.8	LIC	BLTTL	-19930211JD
27	WUNW	CANTON NC	357.6	APP	BPEDT	-20080402AAN
27	WTNB-CA	CLEVELAND TN	199.4	LIC	BLTT	-19971027JD
27	WKPT-TV	KINGSPORT TN	422.8	CP MOD	BMPCDT	-20050303AAJ
27	WKPT-TV	KINGSPORT TN	422.8	PLN	DTVPLN	-DTVP1017
28	WTWV	EVANSVILLE IN	224.7	CP	BPEDT	-19991101ACY
28	WTWV	EVANSVILLE IN	224.7	PLN	DTVPLN	-DTVP1038
31	WPBM-LP	SCOTTSVILLE KY	110.0	CP	BPPTA	-20031124ALV

Analysis of Interference to Affected Station 1

Analysis of current record
Channel Call City/State Application Ref. No.
24 WJDE-LP NASHVILLE TN BLTTA -20001208AEY

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	WNKY	BOWLING GREEN KY	109.9	CP MOD	BMPCDT	-20071012AUR
16	WNKY	BOWLING GREEN KY	110.4	PLN	DTVPLN	-DTVP0568
17	WZTV	NASHVILLE TN	11.5	CP	BPCT	-20010529ABM
20	WYLE	FLORENCE AL	133.4	APP	BMPCDT	-20070920ABE
21	WUXP-TV	NASHVILLE TN	11.5	CP MOD	BMPCDT	-20010525AAJ
21	WUXP-TV	NASHVILLE TN	11.5	PLN	DTVPLN	-DTVP0784
22	WCTE	COOKEVILLE TN	127.3	CP	BPEDT	-20080317ADB
22	WCTE	COOKEVILLE TN	127.3	PLN	DTVPLN	-DTVP0824
23	WNAB	NASHVILLE TN	11.5	LIC	BLCDT	-20040712AAO
23	WNAB	NASHVILLE TN	11.5	PLN	DTVPLN	-DTVP0863
24	WHIQ	HUNTSVILLE AL	160.0	LIC	BLEDT	-20060927ALU
24	WHIQ	HUNTSVILLE AL	160.0	PLN	DTVPLN	-DTVP0871
24	WNEG-TV	TOCCOA GA	352.6	CP MOD	BMPCDT	-20080410ABJ
24	WNEG-TV	TOCCOA GA	352.6	PLN	DTVPLN	-DTVP0880
24	WKYU-TV	BOWLING GREEN KY	104.2	LIC	BMLET	-20040921ADS
24	WCYN-TV	COVINGTON KY	375.5	LIC	BLEDT	-20020201ABJ
24	WCYN-TV	COVINGTON KY	375.5	PLN	DTVPLN	-DTVP0884
24	WQTV-LP	MURRAY KY	146.8	LIC	BLTTL	-20010425AAF

Table 1 WKRN-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 3 of 13)

24	WPTY-TV	MEMPHIS TN	289.4	LIC	BMLCT	-20050427ABO
27	WKRN-TV	NASHVILLE TN	14.3	LIC	BLCDT	-20020528AAC
27	WKRN-TV	NASHVILLE TN	14.3	PLN	DTVPLN	-DTVP1018
38	WHTN	MURFREESBORO TN	31.1	LIC	BLCDT	-20060627AAY
38	WHTN	MURFREESBORO TN	31.1	PLN	DTVPLN	-DTVP1381
39	WHTN	MURFREESBORO TN	31.1	CP	BPCT	-20020509AAS
27	WKRN-DT	NASHVILLE TN	14.3	APP	USERRECORD-01	

Total scenarios = 8

Result key: 1
Scenario 1 Affected station 1
Before Analysis

Results for: 24N TN NASHVILLE	BLTTA	20001208AEY	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	624780	1368.6	
not affected by terrain losses	606295	1292.6	
lost to NTSC IX	395524	832.4	
lost to additional IX by ATV	85	4.0	
lost to all IX	395609	836.4	

Potential Interfering Stations Included in above Scenario 1

17N TN NASHVILLE	BPCT	20010529ABM	CP
24N KY BOWLING GREEN	BMLET	20040921ADS	LIC
24N TN MEMPHIS	BMLCT	20050427ABO	LIC
39N TN MURFREESBORO	BPCT	20020509AAS	CP
21A TN NASHVILLE	BMPCDT	20010525AAJ	CP
23A TN NASHVILLE	BLCDT	20040712AAO	LIC
24A AL HUNTSVILLE	BLEDT	20060927ALU	LIC
27A TN NASHVILLE	DTVPLN	DTVP1018	PLN

After Analysis

Results for: 24N TN NASHVILLE	BLTTA	20001208AEY	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	624780	1368.6	
not affected by terrain losses	606295	1292.6	
lost to NTSC IX	395524	832.4	
lost to additional IX by ATV	85	4.0	
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Potential Interfering Stations Included in above Scenario 1

17N TN NASHVILLE	BPCT	20010529ABM	CP
24N KY BOWLING GREEN	BMLET	20040921ADS	LIC
24N TN MEMPHIS	BMLCT	20050427ABO	LIC
39N TN MURFREESBORO	BPCT	20020509AAS	CP
21A TN NASHVILLE	BMPCDT	20010525AAJ	CP
23A TN NASHVILLE	BLCDT	20040712AAO	LIC
24A AL HUNTSVILLE	BLEDT	20060927ALU	LIC
27A TN NASHVILLE	USERRECORD01	APP	

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Table 1 WKRN-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 4 of 13)

Analysis of Interference to Affected Station 2

Channel	Call	City/State	Application Ref. No.
27	WAIQ	MONTGOMERY AL	BLEDT -20060706ACK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
26	WTJP-TV	GADSDEN AL	159.9	LIC	BLCDT -20050511AAF
26	WTJP-TV	GADSDEN AL	159.9	PLN	DTVPLN -DTVP0945
26	WTJP-TV	GADSDEN AL	159.9	CP	BPCDT -20080307ABA
27	WKRQ-TV	MOBILE AL	238.0	CP	BPCDT -20080317AIF
27	WKRQ-TV	MOBILE AL	238.0	PLN	DTVPLN -DTVP0985
27	WKRQ-TV	MOBILE AL	238.0	LIC	BLCDT -20050705AAO
27	WTKL-TV	TALLAHASSEE FL	291.1	PLN	DTVPLN -DTVP0993
27	WTKL-TV	TALLAHASSEE FL	291.1	CP	BPCDT -20080212AAC
27	WAGA	ATLANTA GA	240.9	LIC	BLCDT -20060728AEL
27	WAGA	ATLANTA GA	240.9	PLN	DTVPLN -DTVP0995
27	WKRN-TV	NASHVILLE TN	410.4	PLN	DTVPLN -DTVP1018
28	WTTO	HOMEWOOD AL	131.6	CP MOD	BMPCDT -20041104AMB
28	WTTO	HOMEWOOD AL	131.6	PLN	DTVPLN -DTVP1027
27	WKRN-DT	NASHVILLE TN	410.4	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 3

Channel	Call	City/State	Application Ref. No.
27	WAIQ	MONTGOMERY AL	DTVPLN -DTVP0986

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
26	WTJP-TV	GADSDEN AL	159.9	LIC	BLCDT -20050511AAF
26	WTJP-TV	GADSDEN AL	159.9	PLN	DTVPLN -DTVP0945
26	WTJP-TV	GADSDEN AL	159.9	CP	BPCDT -20080307ABA
27	WKRQ-TV	MOBILE AL	238.0	CP	BPCDT -20080317AIF
27	WKRQ-TV	MOBILE AL	238.0	PLN	DTVPLN -DTVP0985
27	WKRQ-TV	MOBILE AL	238.0	LIC	BLCDT -20050705AAO
27	WTKL-TV	TALLAHASSEE FL	291.1	PLN	DTVPLN -DTVP0993
27	WTKL-TV	TALLAHASSEE FL	291.1	CP	BPCDT -20080212AAC
27	WAGA	ATLANTA GA	240.9	LIC	BLCDT -20060728AEL
27	WAGA	ATLANTA GA	240.9	PLN	DTVPLN -DTVP0995
27	WKRN-TV	NASHVILLE TN	410.4	PLN	DTVPLN -DTVP1018
28	WTTO	HOMEWOOD AL	131.6	CP MOD	BMPCDT -20041104AMB
28	WTTO	HOMEWOOD AL	131.6	PLN	DTVPLN -DTVP1027
27	WKRN-DT	NASHVILLE TN	410.4	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Table 1 WKRN-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 5 of 13)

Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
27	WAGA	ATLANTA GA	BLCDDT	-20060728AEL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
26	WTJP-TV	GADSDEN AL	195.3	LIC	BLCDDT	-20050511AAF
26	WTJP-TV	GADSDEN AL	195.3	PLN	DTVPLN	-DTVP0945
26	WTJP-TV	GADSDEN AL	195.3	CP	BPCDDT	-20080307ABA
27	WAIQ	MONTGOMERY AL	240.9	LIC	BLEDTT	-20060706ACK
27	WAIQ	MONTGOMERY AL	240.9	PLN	DTVPLN	-DTVP0986
27	WTLX-TV	TALLAHASSEE FL	349.5	PLN	DTVPLN	-DTVP0993
27	WTLX-TV	TALLAHASSEE FL	349.5	CP	BPCDDT	-20080212AAC
27	WUNW	CANTON NC	236.1	APP	BPEDTT	-20080402AAN
27	WCCB	CHARLOTTE NC	367.8	LIC	BLCDDT	-20020227AAZ
27	WCCB	CHARLOTTE NC	367.8	PLN	DTVPLN	-DTVP1004
27	WKPT-TV	KINGSPORT TN	354.4	CP MOD	BMPCDDT	-20050303AAJ
27	WKPT-TV	KINGSPORT TN	354.3	PLN	DTVPLN	-DTVP1017
27	WKRN-TV	NASHVILLE TN	338.0	PLN	DTVPLN	-DTVP1018
27	WKRN-DT	NASHVILLE TN	338.0	APP	USERRECORD-01	

Total scenarios = 8

Result key: 9

Scenario 1 Affected station 4

Before Analysis

Results for: 27A GA ATLANTA	BLCDDT	20060728AEL	LIC
HAAT 332.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	4851509	32778.7	
not affected by terrain losses	4802880	31368.9	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	29877	799.3	
lost to ATV IX only	29877	799.3	
lost to all IX	29877	799.3	

Potential Interfering Stations Included in above Scenario 1

27A AL MONTGOMERY	BLEDTT	20060706ACK	LIC
27A FL TALLAHASSEE	DTVPLN	DTVP0993	PLN
27A NC CHARLOTTE	BLCDDT	20020227AAZ	LIC
27A TN NASHVILLE	DTVPLN	DTVP1018	PLN

After Analysis

Results for: 27A GA ATLANTA	BLCDDT	20060728AEL	LIC
HAAT 332.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	4851509	32778.7	
not affected by terrain losses	4802880	31368.9	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	30014	807.3	
lost to ATV IX only	30014	807.3	
lost to all IX	30014	807.3	

Potential Interfering Stations Included in above Scenario 1

Table 1 WKRN-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 6 of 13)

27A AL MONTGOMERY	BLEDTT	20060706ACK	LIC
27A FL TALLAHASSEE	DTVPLN	DTVP0993	PLN
27A NC CHARLOTTE	BLCDDT	20020227AAZ	LIC
27A TN NASHVILLE	USERRECORD01		APP

Percent new IX = 0.0029%

Worst case new IX 0.0029% Scenario 1

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
27	WAGA	ATLANTA GA	DTVPLN	-DTVP0995

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
26	WTJP-TV	GADSDEN AL	195.3	LIC	BLCDDT	-20050511AAF
26	WTJP-TV	GADSDEN AL	195.3	PLN	DTVPLN	-DTVP0945
26	WTJP-TV	GADSDEN AL	195.3	CP	BPCDDT	-20080307ABA
27	WAIQ	MONTGOMERY AL	240.9	LIC	BLEDTT	-20060706ACK
27	WAIQ	MONTGOMERY AL	240.9	PLN	DTVPLN	-DTVP0986
27	WTLX-TV	TALLAHASSEE FL	349.5	PLN	DTVPLN	-DTVP0993
27	WTLX-TV	TALLAHASSEE FL	349.5	CP	BPCDDT	-20080212AAC
27	WUNW	CANTON NC	236.1	APP	BPEDTT	-20080402AAN
27	WCCB	CHARLOTTE NC	367.8	LIC	BLCDDT	-20020227AAZ
27	WCCB	CHARLOTTE NC	367.8	PLN	DTVPLN	-DTVP1004
27	WKPT-TV	KINGSPORT TN	354.4	CP MOD	BMPCDDT	-20050303AAJ
27	WKPT-TV	KINGSPORT TN	354.3	PLN	DTVPLN	-DTVP1017
27	WKRN-TV	NASHVILLE TN	338.0	PLN	DTVPLN	-DTVP1018
27	WKRN-DT	NASHVILLE TN	338.0	APP	USERRECORD-01	

Total scenarios = 8

Result key: 17

Scenario 1 Affected station 5

Before Analysis

Results for: 27A GA ATLANTA	DTVPLN	DTVP0995	PLN
HAAT 332.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	4851509	32778.7	
not affected by terrain losses	4802880	31368.9	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	29877	799.3	
lost to ATV IX only	29877	799.3	
lost to all IX	29877	799.3	

Potential Interfering Stations Included in above Scenario 1

27A AL MONTGOMERY	BLEDTT	20060706ACK	LIC
27A FL TALLAHASSEE	DTVPLN	DTVP0993	PLN
27A NC CHARLOTTE	BLCDDT	20020227AAZ	LIC
27A TN NASHVILLE	DTVPLN	DTVP1018	PLN

Table 1 WKRN-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 7 of 13)

After Analysis

Results for: 27A GA ATLANTA DTVPLN DTVP0995 PLN
HAAT 332.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	4851509	32778.7
not affected by terrain losses	4802880	31368.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	30014	807.3
lost to ATV IX only	30014	807.3
lost to all IX	30014	807.3

Potential Interfering Stations Included in above Scenario 1

27A AL MONTGOMERY	BLEDT	20060706ACK	LIC
27A FL TALLAHASSEE	DTVPLN	DTV0993	PLN
27A NC CHARLOTTE	BLEDT	20020227AAZ	LIC
27A TN NASHVILLE	USERRECORD01		APP

Percent new IX = 0.0029%

Worst case new IX 0.0029% Scenario 1

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
27	WIPX	BLOOMINGTON IN	BLCDDT -20040406AAH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
26	WCCU	URBANA IL	181.9	LIC	BLCDDT -20050317ADS
26	WCCU	URBANA IL	181.9	PLN	DTVPLN -DTV0952
26	WLKY-TV	LOUISVILLE KY	118.3	LIC	BLCDDT -20030129AFL
26	WLKY-TV	LOUISVILLE KY	118.3	PLN	DTVPLN -DTV0955
26	WBDT	SPRINGFIELD OH	165.7	PLN	DTVPLN -DTV0971
27	WCIU-TV	CHICAGO IL	302.5	CP MOD	BMPDDT -20021202ABR
27	WCIU-TV	CHICAGO IL	302.5	PLN	DTVPLN -DTV0998
27	WOUB-TV	ATHENS OH	343.4	LIC	BLEDT -20030411ABC
27	WOUB-TV	ATHENS OH	343.4	PLN	DTVPLN -DTV0103
27	WBGU-TV	BOWLING GREEN OH	270.3	PLN	DTVPLN -DTV0104
27	WBGU-TV	BOWLING GREEN OH	270.3	CP	BPEDT -20080225AHC
27	WKRN-TV	NASHVILLE TN	378.0	PLN	DTVPLN -DTV0108
28	WTWV	EVANSVILLE IN	186.3	CP	BPCDDT -19991101ACY
28	WTWV	EVANSVILLE IN	186.3	PLN	DTVPLN -DTV0103
28	WPTO	OXFORD OH	140.9	LIC	BLEDT -20040714AAQ
28	WPTO	OXFORD OH	140.9	PLN	DTVPLN -DTV01052
27	WKRN-DT	NASHVILLE TN	378.0	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 7

Analysis of current record

Table 1 WKRN-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 8 of 13)

Channel	Call	City/State	Application Ref. No.
27	WIPX	BLOOMINGTON IN	DTVPLN -DTV0999

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
26	WCCU	URBANA IL	181.9	LIC	BLCDDT -20050317ADS
26	WCCU	URBANA IL	181.9	PLN	DTVPLN -DTV0952
26	WLKY-TV	LOUISVILLE KY	118.3	LIC	BLCDDT -20030129AFL
26	WLKY-TV	LOUISVILLE KY	118.3	PLN	DTVPLN -DTV0955
26	WBDT	SPRINGFIELD OH	165.7	PLN	DTVPLN -DTV0971
27	WCIU-TV	CHICAGO IL	302.5	CP MOD	BMPDDT -20021202ABR
27	WCIU-TV	CHICAGO IL	302.5	PLN	DTVPLN -DTV0998
27	WOUB-TV	ATHENS OH	343.4	LIC	BLEDT -20030411ABC
27	WOUB-TV	ATHENS OH	343.4	PLN	DTVPLN -DTV0103
27	WBGU-TV	BOWLING GREEN OH	270.3	PLN	DTVPLN -DTV0104
27	WBGU-TV	BOWLING GREEN OH	270.3	CP	BPEDT -20080225AHC
27	WKRN-TV	NASHVILLE TN	378.0	PLN	DTVPLN -DTV0108
28	WTWV	EVANSVILLE IN	186.3	CP	BPCDDT -19991101ACY
28	WTWV	EVANSVILLE IN	186.3	PLN	DTVPLN -DTV0103
28	WPTO	OXFORD OH	140.9	LIC	BLEDT -20040714AAQ
28	WPTO	OXFORD OH	140.9	PLN	DTVPLN -DTV01052
27	WKRN-DT	NASHVILLE TN	378.0	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application Ref. No.
27	WJTS-LP	JASPER IN	BLTTL -19930211JJD

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
19	WUSI-TV	OLNEY IL	115.6	LIC	BLEDT -20060619ABG
19	WUSI-TV	OLNEY IL	115.6	PLN	DTVPLN -DTV0677
20	WAZE-TV	MADISONVILLE KY	52.1	APP	BMPDDT -20040329AKL
20	WAZE-TV	MADISONVILLE KY	118.3	PLN	DTVPLN -DTV0725
20	WAZE-TV	MADISONVILLE KY	118.3	CP	BPCDDT -19991101AHC
26	WLKY-TV	LOUISVILLE KY	96.7	LIC	BLCDDT -20030129AFL
26	WLKY-TV	LOUISVILLE KY	96.7	PLN	DTVPLN -DTV0955
27	WTCT	MARION IL	203.9	LIC	BLCT -19881003KG
27	WCCU	URBANA IL	231.3	LIC	BLCT -20020226AAA
27	WIPX	BLOOMINGTON IN	133.6	LIC	BLCDDT -20040406AAH
27	WIPX	BLOOMINGTON IN	133.6	PLN	DTVPLN -DTV0999
27	WKYT-TV	LEXINGTON KY	224.6	LIC	BLCT -19890526KE
27	WKRN-TV	NASHVILLE TN	258.8	LIC	BLCDDT -20020528AAC
27	WKRN-TV	NASHVILLE TN	258.8	PLN	DTVPLN -DTV0108
28	WTWV	EVANSVILLE IN	53.6	CP	BPCDDT -19991101ACY
28	WTWV	EVANSVILLE IN	53.6	PLN	DTVPLN -DTV0103
30	WKOH	OWENSBORO KY	67.3	LIC	BLEDT -20020304ALJ
30	WKOH	OWENSBORO KY	67.3	PLN	DTVPLN -DTV01108
41	WDRB	LOUISVILLE KY	95.0	CP	BPCDDT -20050722ACB
42	WCLJ-TV	BLOOMINGTON IN	133.4	LIC	BLCT -19870904KG
42	WCLJ-TV	BLOOMINGTON IN	133.4	PLN	DTVPLN -DTV01501
42	WCLJ-TV	BLOOMINGTON IN	133.4	CP	BPCDDT -20080314ABE
42	WKMA-TV	MADISONVILLE KY	141.0	LIC	BLEDT -20020304ALF
42	WKMA-TV	MADISONVILLE KY	141.0	PLN	DTVPLN -DTV01504

Table 1 WKRN-DT OET Bulletin 69 Interference Study

(worst-case scenarios shown page 9 of 13)

27 WKRN-DT NASHVILLE TN 258.8 APP USERRECORD-01
Proposal causes no interference

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
27	WUNW	CANTON NC	BPEDT	-20080402AAN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
26	WATE-TV	KNOXVILLE TN	105.2	LIC	BMLCDT	-20041203AEG
26	WATE-TV	KNOXVILLE TN	105.2	PLN	DTVPLN	-DTVP0977
27	WAGA	ATLANTA GA	236.1	LIC	BLCDT	-20060728AEL
27	WAGA	ATLANTA GA	236.1	PLN	DTVPLN	-DTVP0995
27	WCCB	CHARLOTTE NC	199.6	LIC	BLCDT	-20020227AAZ
27	WCCB	CHARLOTTE NC	199.6	PLN	DTVPLN	-DTVP1004
27	WLFL	RALEIGH NC	395.8	CP	BPEDT	-20080317AGS
27	WLFL	RALEIGH NC	395.8	PLN	DTVPLN	-DTVP1005
27	WOUB-TV	ATHENS OH	421.7	LIC	BLEDT	-20030411ABC
27	WOUB-TV	ATHENS OH	421.7	PLN	DTVPLN	-DTVP1013
27	WKPT-TV	KINGSPORT TN	118.3	CP MOD	BMPCDT	-20050303AAJ
27	WKPT-TV	KINGSPORT TN	118.2	PLN	DTVPLN	-DTVP1017
27	WKRN-TV	NASHVILLE TN	357.6	PLN	DTVPLN	-DTVP1018
27	WKRN-DT	NASHVILLE TN	357.6	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
27	WTNB-CA	CLEVELAND TN	BLTT	-19971027JD

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
20	WBXX-TV	CROSSVILLE TN	112.4	LIC	BLCT	-19971028KE
20	WBXX-TV	CROSSVILLE TN	112.4	PLN	DTVPLN	-DTVP0740
23	WPXK	JELICO TN	125.5	LIC	BLCDT	-20020510AAJ
23	WPXK	JELICO TN	125.5	PLN	DTVPLN	-DTVP0861
26	W26BE	CHATTANOOGA TN	31.7	LIC	BLTTL	-19950313IR
26	WATE-TV	KNOXVILLE TN	123.3	LIC	BMLCDT	-20041203AEG
26	WATE-TV	KNOXVILLE TN	123.3	PLN	DTVPLN	-DTVP0977
27	WAIQ	MONTGOMERY AL	339.3	LIC	BLEDT	-20060706ACK
27	WAIQ	MONTGOMERY AL	339.3	PLN	DTVPLN	-DTVP0986
27	WAGA	ATLANTA GA	163.9	LIC	BLCDT	-20060728AEL
27	WAGA	ATLANTA GA	163.9	PLN	DTVPLN	-DTVP0995
27	WKYT-TV	LEXINGTON KY	318.4	LIC	BLCT	-19890526KE
27	WUNW	CANTON NC	183.7	CP	BPET	-19960919KW
27	WUNW	CANTON NC	183.7	APP	BPEDT	-20080402AAN
27	WCCB	CHARLOTTE NC	376.7	LIC	BLCDT	-20020227AAZ
27	WCCB	CHARLOTTE NC	376.7	PLN	DTVPLN	-DTVP1004
27	WKPT-TV	KINGSPORT TN	282.8	CP MOD	BMPCDT	-20050303AAJ

Table 1 WKRN-DT OET Bulletin 69 Interference Study

(worst-case scenarios shown page 10 of 13)

27	WKPT-TV	KINGSPORT TN	282.7	PLN	DTVPLN	-DTVP1017
27	WKRN-TV	NASHVILLE TN	199.4	LIC	BLCDT	-20020528AAC
27	WKRN-TV	NASHVILLE TN	199.4	PLN	DTVPLN	-DTVP1018
29	WTCI	CHATTANOOGA TN	36.1	LIC	BLEDT	-20060629ACO
29	WTCI	CHATTANOOGA TN	36.1	PLN	DTVPLN	-DTVP1093
30	WVLT-TV	KNOXVILLE TN	121.8	LIC	BLCDT	-20040420AAF
30	WVLT-TV	KNOXVILLE TN	121.8	PLN	DTVPLN	-DTVP1121
34	WTNZ	KNOXVILLE TN	123.3	LIC	BMLCDT	-20040706ABG
34	WTNZ	KNOXVILLE TN	123.3	PLN	DTVPLN	-DTVP1273
41	WATC	ATLANTA GA	132.1	LIC	BLEDT	-20070912AAT
41	WATC	ATLANTA GA	132.1	PLN	DTVPLN	-DTVP1466
42	WFLI-TV	CLEVELAND TN	35.8	LIC	BLCDT	-20050808AGH
42	WFLI-TV	CLEVELAND TN	35.8	PLN	DTVPLN	-DTVP1516
27	WKRN-DT	NASHVILLE TN	199.4	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
27	WKPT-TV	KINGSPORT TN	BMPCDT	-20050303AAJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
26	WATE-TV	KNOXVILLE TN	168.7	LIC	BMLCDT	-20041203AEG
26	WATE-TV	KNOXVILLE TN	168.7	PLN	DTVPLN	-DTVP0977
27	WAGA	ATLANTA GA	354.4	LIC	BLCDT	-20060728AEL
27	WAGA	ATLANTA GA	354.4	PLN	DTVPLN	-DTVP0995
27	WUNW	CANTON NC	118.3	APP	BPEDT	-20080402AAN
27	WCCB	CHARLOTTE NC	180.9	LIC	BLCDT	-20020227AAZ
27	WCCB	CHARLOTTE NC	180.9	PLN	DTVPLN	-DTVP1004
27	WLFL	RALEIGH NC	335.1	CP	BPEDT	-20080317AGS
27	WLFL	RALEIGH NC	335.1	PLN	DTVPLN	-DTVP1005
27	WOUB-TV	ATHENS OH	320.4	LIC	BLEDT	-20030411ABC
27	WOUB-TV	ATHENS OH	320.4	PLN	DTVPLN	-DTVP1013
27	WKRN-TV	NASHVILLE TN	422.8	PLN	DTVPLN	-DTVP1018
27	WKRN-DT	NASHVILLE TN	422.8	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.
27	WKPT-TV	KINGSPORT TN	DTVPLN	-DTVP1017

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
26	WATE-TV	KNOXVILLE TN	168.7	LIC	BMLCDT	-20041203AEG
26	WATE-TV	KNOXVILLE TN	168.7	PLN	DTVPLN	-DTVP0977
27	WAGA	ATLANTA GA	354.3	LIC	BLCDT	-20060728AEL

Table 1 WKRN-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 11 of 13)

27	WAGA	ATLANTA GA	354.3	PLN	DTVPLN	-DTVP0995
27	WUNW	CANTON NC	118.2	APP	BPEDT	-20080402AAN
27	WCCB	CHARLOTTE NC	180.9	LIC	BLCDT	-20020227AAZ
27	WCCB	CHARLOTTE NC	180.9	PLN	DTVPLN	-DTVP1004
27	WLFL	RALEIGH NC	335.1	CP	BPCDT	-20080317AGS
27	WLFL	RALEIGH NC	335.1	PLN	DTVPLN	-DTVP1005
27	WOUB-TV	ATHENS OH	320.5	LIC	BLEDT	-20030411ABC
27	WOUB-TV	ATHENS OH	320.5	PLN	DTVPLN	-DTVP1013
27	WKRN-TV	NASHVILLE TN	422.8	PLN	DTVPLN	-DTVP1018
27	WKRN-DT	NASHVILLE TN	422.8	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

Analysis of current record

Channel	Call	City/State	Application Ref. No.
28	WTVW	EVANSVILLE IN	BPCDT -19991101ACY

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
27	WIPX	BLOOMINGTON IN	186.3	LIC	BLCDT -20040406AAH
27	WIPX	BLOOMINGTON IN	186.3	PLN	DTVPLN -DTVP0999
27	WKRN-TV	NASHVILLE TN	224.7	PLN	DTVPLN -DTVP1018
28	WYZZ-TV	BLOOMINGTON IL	330.6	CP MOD	BMPCDT -20030805AHV
28	WYZZ-TV	BLOOMINGTON IL	330.6	PLN	DTVPLN -DTVP1036
28	WSJV	ELKHART IN	411.5	CP	BPCDT -20080328AAO
28	WSJV	ELKHART IN	411.5	PLN	DTVPLN -DTVP1037
28	WPTO	OXFORD OH	273.3	LIC	BLEDT -20040714AAQ
28	WPTO	OXFORD OH	273.3	PLN	DTVPLN -DTVP1052
28	WREG-TV	MEMPHIS TN	385.2	LIC	BLCDT -20050513AAE
28	WREG-TV	MEMPHIS TN	385.2	PLN	DTVPLN -DTVP1057
27	WKRN-DT	NASHVILLE TN	224.7	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

Analysis of current record

Channel	Call	City/State	Application Ref. No.
28	WTVW	EVANSVILLE IN	DTVPLN -DTVP1038

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
27	WIPX	BLOOMINGTON IN	186.3	LIC	BLCDT -20040406AAH
27	WIPX	BLOOMINGTON IN	186.3	PLN	DTVPLN -DTVP0999
27	WKRN-TV	NASHVILLE TN	224.7	PLN	DTVPLN -DTVP1018
28	WYZZ-TV	BLOOMINGTON IL	330.6	CP MOD	BMPCDT -20030805AHV
28	WYZZ-TV	BLOOMINGTON IL	330.6	PLN	DTVPLN -DTVP1036
28	WSJV	ELKHART IN	411.5	CP	BPCDT -20080328AAO

Table 1 WKRN-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 12 of 13)

28	WSJV	ELKHART IN	411.5	PLN	DTVPLN	-DTVP1037
28	WPTO	OXFORD OH	273.3	LIC	BLEDT	-20040714AAQ
28	WPTO	OXFORD OH	273.3	PLN	DTVPLN	-DTVP1052
28	WREG-TV	MEMPHIS TN	385.2	LIC	BLCDT	-20050513AAE
28	WREG-TV	MEMPHIS TN	385.2	PLN	DTVPLN	-DTVP1057
27	WKRN-DT	NASHVILLE TN	224.7	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application Ref. No.
31	WPBM-LP	SCOTTSVILLE KY	BPTTA -20031124ALV

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
23	WNAB	NASHVILLE TN	89.6	LIC	BLCDT -20040712AAO
23	WNAB	NASHVILLE TN	89.6	PLN	DTVPLN -DTVP0863
24	WKYU-TV	BOWLING GREEN KY	40.4	LIC	BMLET -20040921ADS
27	WKRN-TV	NASHVILLE TN	110.0	LIC	BLCDT -20020528AAC
27	WKRN-TV	NASHVILLE TN	110.0	PLN	DTVPLN -DTVP1018
30	WUXP-TV	NASHVILLE TN	89.6	LIC	BLCT -20041014AFP
31	WAAY-TV	HUNTSVILLE AL	236.5	LIC	BLCT -20041116ADK
31	WKOH	OWENSBORO KY	157.9	LIC	BLCT -19800221IA
31	WLMT	MEMPHIS TN	374.3	LIC	BLCDT -20050427ABN
31	WLMT	MEMPHIS TN	374.3	PLN	DTVPLN -DTVP1159
38	WHTN	MURFREESBORO TN	89.0	LIC	BLCDT -20060627AAY
38	WHTN	MURFREESBORO TN	89.0	PLN	DTVPLN -DTVP1381
27	WKRN-DT	NASHVILLE TN	110.0	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 16

Analysis of current record

Channel	Call	City/State	Application Ref. No.
27	WKRN-DT	NASHVILLE TN	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
27	WAIQ	MONTGOMERY AL	410.4	LIC	BLEDT -20060706ACK
27	WAIQ	MONTGOMERY AL	410.4	PLN	DTVPLN -DTVP0986
27	WAGA	ATLANTA GA	338.0	LIC	BLCDT -20060728AEL
27	WAGA	ATLANTA GA	338.0	PLN	DTVPLN -DTVP0995
27	WIPX	BLOOMINGTON IN	378.0	LIC	BLCDT -20040406AAH
27	WIPX	BLOOMINGTON IN	378.0	PLN	DTVPLN -DTVP0999
27	WUNW	CANTON NC	357.6	APP	BPEDT -20080402AAN
27	WKPT-TV	KINGSPORT TN	422.8	CP MOD	BMPCDT -20050303AAJ
27	WKPT-TV	KINGSPORT TN	422.8	PLN	DTVPLN -DTVP1017

(worst-case scenarios shown page 13 of 13)

Total scenarios = 4

Results for: 27A TN NASHVILLE USERRECORD01 APP

Potential Interfering Stations Included in above Scenario 4

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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>Pre-Transition Certification Checklist: An application concerning a pre-transition channel must complete questions 1(a)-(c), and 2-5. A correct answer of "Yes" to all of the questions will ensure an expeditious grant of a construction 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>Post-Transition Expedited Processing. An application concerning a post-transition channel must complete questions 1(a), (d)-(e), and 2-5. A station applying for a construction permit to build its post-transition channel will receive expedited processing if its application (1) does not seek to expand the noise-limited service contour in any direction beyond that established by Appendix B of the Seventh Report and Order in MB Docket No. 87-268 establishing the new DTV Table of Allotments in 47 C.F.R. § 73.622(i) ("new DTV Table Appendix B"); (2) specifies facilities that match or closely approximate those defined in the new DTV Table Appendix B facilities; and (3) is filed within 45 days of the effective date of Section 73.616 of the rules adopted in the Report and Order in the Third DTV Periodic Review proceeding, MB Docket No. 07-91.</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 submit the Exhibit 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 27 Analog TV, if any 2
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 02 Seconds 50 <input checked="" type="radio"/> North <input type="radio"/> South Longitude: Degrees 86 Minutes 49 Seconds 49 <input checked="" type="radio"/> West <input type="radio"/> East
4.	Antenna Structure Registration Number: 1058822 <input type="checkbox"/> Not Applicable <input type="checkbox"/> Notification filed with FAA
5.	Antenna Location Site Elevation Above Mean Sea Level: 337 meters
6.	Overall Tower Height Above Ground Level: 288 meters
7.	Height of Radiation Center Above Ground Level: 275 meters
8.	Height of Radiation Center Above Average Terrain : 411 meters
9.	Maximum Effective Radiated Power (average power): 986 kW
10.	Antenna Specifications:

a. Manufacturer DIE Model TUA-04-15/60H-1-T	
b. Electrical Beam Tilt: 0.75 degrees <input 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 42]
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. Exhibit required.	[Exhibit 43]
11. Does the proposed facility satisfy the pre-transition interference protection provisions of 47 C.F.R. Section 73.623(a) (Applicable only if Certification Checklist Items 1(a), (b), or (c) are answered "No.") and/or the post-transition interference protection provisions of 47 C.F.R. Section 73.616? If "No," attach as an Exhibit justification therefor, including a summary of any related previously granted waivers.	<input checked="" type="radio"/> Yes <input type="radio"/> No [Exhibit 44]
12. If the proposed facility will not satisfy the coverage requirement of 47 C.F.R. Section 73.625, attach as an Exhibit justification therefore. (Applicable only if Certification Checklist item 3 is answered "No.")	[Exhibit 45]
13. Environmental Protection Act. Submit in an Exhibit the following: If Certification Checklist Item 2 is answered "Yes," a brief explanation of why an Environmental Assessment is not required. Also describe in the Exhibit the steps that will be taken to limit RF radiation exposure to the public and to persons authorized access to the tower site. By checking "Yes" to Certification Checklist Item 2, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic exposure in excess of FCC guidelines. If Certification Checklist Item 2 is answered "No," an Environmental Assessment as required by 47 C.F.R Section 1.1311.	[Exhibit 46]
PREPARERS CERTIFICATION ON SECTION III MUST BE COMPLETED AND SIGNED.	

SECTION III - PREPARER'S CERTIFICATION

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

Name JOSEPH M. DAVIS, P.E.	Relationship to Applicant (e.g., Consulting Engineer) CONSULTING ENGINEER	
Signature	Date 6/11/2008	
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	

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).