

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of D.T.V. LLC, licensee of digital Class-A LPTV station WIRE-CD, Channel 40 in Atlanta, Georgia, in support of this Application for Construction Permit to maximize digital operation on Channel 40 from the licensed WIRE-CD site. No change in antenna height is proposed herein.

It is proposed to mount a standard ERI (Andrew) directional antenna at the 244-meter level of the existing 329-meter communications tower. Exhibit B is a map upon which the predicted service contours are plotted. It is important to note that the newly proposed 51 dBu contour encompasses a significant portion of the Grade A contour that obtains from the licensed WIRE-CD facility. Operating parameters for the proposed facility are tabulated in Exhibit C. An interference study is provided in Exhibit D, and it is important to note that a cell size of 1-kilometer and an increment spacing of 0.1-kilometer were used. A power density calculation follows as Exhibit E.

Because no change in the overall height or location of the existing tower is proposed, the FAA has not been notified of this application. The FCC issued Antenna Structure Registration Number 1206253 to this tower.

I declare under penalty of perjury that the foregoing statements and the attached exhibits, which were prepared by me or under my immediate supervision, are true and correct to the best of my knowledge and belief.


KYLE T. FISHER

January 26, 2010

CONTOUR POPULATION

51 DBU : 3,324,866

41 DBU : 3,780,059

Smith and Fisher

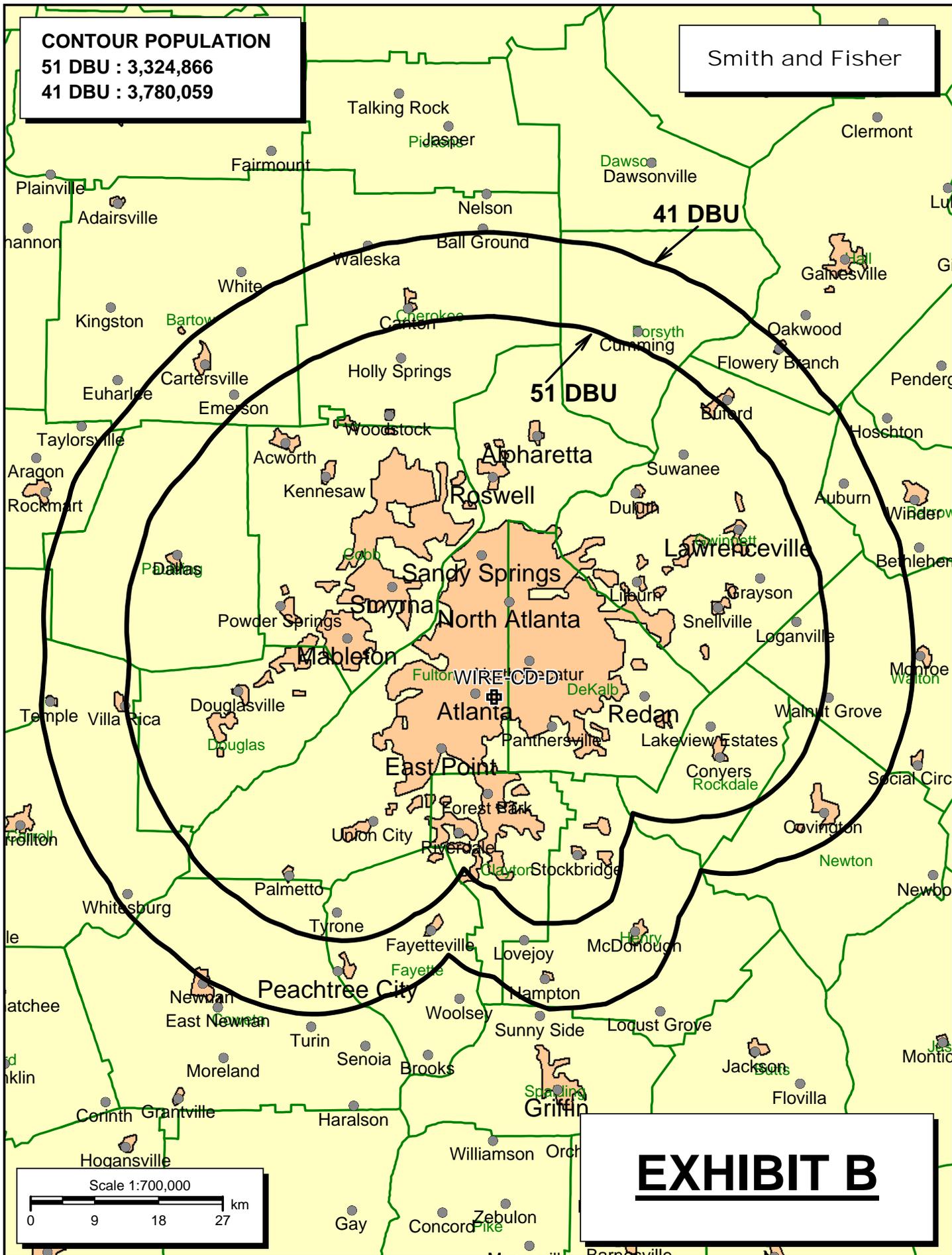


EXHIBIT B

PROPOSED OPERATING PARAMETERS

PROPOSED WIRE-CD
CHANNEL 40 – ATLANTA, GEORGIA

Transmitter Power Output:	1.6 kw
Transmission Line Efficiency:	37.8%
Antenna Power Gain – Toward Horizon:	24.4
Antenna Power Gain – Main Lobe:	24.4
Effective Radiated Power – Toward Horizon:	15.0 kw
Effective Radiated Power – Main Lobe:	15.0 kw
Transmitter Make and Model:	Type-accepted
Transmission Line Make and Model:	Andrew LDF12-50
Size and Type:	2-1/4" foam heliax
Length:	822 feet*
Antenna Make and Model:	ERI ALP12I2-HSER-40
Orientation	340 degrees true
Beam Tilt	0.5 degrees
Radiation Center Above Ground:	244 meters
Radiation Center Above Mean Sea Level:	539 meters

*estimated

LONGLEY-RICE INTERFERENCE STUDY
PROPOSED WIRE-CD
CHANNEL 40 – ATLANTA, GEORGIA

We conducted a detailed interference study using V-Soft's SunDTV Program which uses the methodology contained in the Commission's *OET Bulletin No. 69*, with respect to all facilities of concern. The software utilizes a 1-square kilometer cell size, calculates signal strength at 0.1 kilometer increments along each radial studied, and employs the 2000 U.S. Census to count population within cells. In addition, the program does not attribute interference to the proposed facility in cells within the protected contour of the station under study where interference from another source (other than proposed WIRE-CD) already is predicted to exist (also known as "masking"). The results of this study are provided in Exhibit D-2. It concludes that the facility proposed herein causes no significant new interference to any of the potentially affected stations.

As a result, it is believed that the proposed WIRE-CD facility complies with the requirements of Sections 73.6016, 73.6017, 73.6018, 73.6019, 73.6020, 73.6027 and 74.794(b) of the Commission's Rules.

Summary Study

Census data selected: 2000

Post DTV Transition Database Selected

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 01-21-2010 Time: 15:27:37

Record Selected for Analysis

WIRE-CD- USERRECORD-01 ATLANTA GA US
 Channel 40 ERP 15. kW HAAT 258. m RCAMSL 00539 m STRINGENT MASK
 Latitude 033-44-41 Longitude 0084-21-36
 Status APP Zone 1 Border
 Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth
 110.
 Last update Cutoff date Docket
 Comments
 Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 0.10 km

Not full service station

Facility meets maximum power limit

Azimuth (Deg)	ERP (kW)	HAAT (m)	51.0 dBu F(50,90) (km)
0.0	15.000	262.1	53.3
45.0	12.586	240.3	51.2
90.0	4.198	256.3	46.3
135.0	0.087	281.9	26.9
180.0	0.108	258.9	27.1
225.0	3.434	240.6	44.5
270.0	11.775	253.2	51.5
315.0	15.000	270.3	53.7

Contour Overlap to Proposed Station

Station
 WSB-TV 39 ATLANTA GA BLCDT20041020ADC

Station inside contour of Digital LPTV station
 WIRE-CD- 40 ATLANTA GA USERRECORD01

Station
 WSB-TV 39 ATLANTA GA BPCDT20080619ACR

Station inside contour of Digital LPTV station

WIRE-CD- 40 ATLANTA GA USERRECORD01

Station
 WMGT-TV 40 MACON GA BLCDT20070112AHJ causes

Contour overlap to Digital LPTV station
 WIRE-CD- 40 ATLANTA GA USERRECORD01
 Required D/U ratio: 15.0

Station
 WDSI-TV 40 CHATTANOOGA TN BLCDT20051011ABS causes

Contour overlap to Digital LPTV station
 WIRE-CD- 40 ATLANTA GA USERRECORD01
 Required D/U ratio: 15.0

Station
 WATC-DT 41 ATLANTA GA BPEDT20080619AIR

Station inside contour of Digital LPTV station
 WIRE-CD- 40 ATLANTA GA USERRECORD01

Station
 WATC-DT 41 ATLANTA GA BLEDT20070912AAT

Station inside contour of Digital LPTV station
 WIRE-CD- 40 ATLANTA GA USERRECORD01

Contour Overlap Evaluation to Proposed Station Complete

LANDMOBILE SPACING VIOLATIONS FOUND

NONE

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

Start of Interference Analysis

	Proposed Station		
Channel	Call	City/State	ARN
40	WIRE-CD-	ATLANTA GA	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref.
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EXHIBIT D-2 continued

No.							
39	WSB-TV	ATLANTA GA	2.2	LIC	BLCDDT	-	
20041020ADC							
39	WSB-TV	ATLANTA GA	2.2	PLN	DTVPLN	-	
DTVP1391							
39	WSB-TV	ATLANTA GA	2.2	CP	BPCDDT	-	
20080619ACR							
39	NEW	PERRY GA	188.0	APP	BNPDDL	-	
20090825AHB							
39	W09AG	FRANKLIN NC	174.0	APP	BDISDTT	-	
20090928ACX							
39	WYHB-CA	CHATTANOOGA TN	183.2	LIC	BLTTL	-	
19980824JC							
40	WAAO-LP	ANDALUSIA AL	332.2	CP	BDFCDDL	-	
20090609AAH							
40	WAAO-LP	ANDALUSIA AL	332.2	LIC	BLTTL	-	
19980304JZ							
40	NEW	SELMA AL	287.1	APP	BNPDDL	-	
20090831AAM							
40	NEW	TROY AL	237.9	APP	BNPDDL	-	
20090825ABI							
40	W40BU	PANAMA CITY FL	399.9	LIC	BLTTL	-	
20060410AAW							
40	WTWC-TV	TALLAHASSEE FL	342.5	CP	BPCDDT	-	
20080317AGG							
40	WTWC-TV	TALLAHASSEE FL	342.5	PLN	DTVPLN	-	
DTVP1426							
40	NEW	AUGUSTA GA	217.3	APP	BNPDDL	-	
20090909AAB							
40	NEW	COLUMBUS GA	149.8	APP	BNPDDL	-	
20090825BAO							
40	WMGT-TV	MACON GA	132.8	LIC	BLCDDT	-	
20070112AHJ							
40	WMGT-TV	MACON GA	132.8	PLN	DTVPLN	-	
DTVP1427							
40	NEW	CORINTH MS	394.3	APP	BNPDDL	-	
20090902ABG							
40	W40BZ	TUPELO MS	399.5	LIC	BLTTL	-	
20070730ALP							
40	W40BZ	TUPELO MS	397.4	CP	BPDTTL	-	
20090825AAA							
40	DW40CR-D	BAKERSVILLE NC	321.6	LIC	BLDTT	-	
20081024ABI							
40	W69CN	BRYSON CITY NC	201.5	APP	BDISDTT	-	
20090824ACO							
40	W69CN	BRYSON CITY NC	201.5	CP	BDISDTT	-	
20060317AED							
40	WHKY-TV	HICKORY NC	354.1	LIC	BLCDDT	-	
20060630ABW							
40	WHKY-TV	HICKORY NC	354.1	PLN	DTVPLN	-	
DTVP1437							
40	WHKY-TV	HICKORY NC	343.5	CP	BPCDDT	-	
20080619AAH							
40	WDSI-TV	CHATTANOOGA TN	183.2	LIC	BLCDDT	-	
20051011ABS							
40	WDSI-TV	CHATTANOOGA TN	183.2	PLN	DTVPLN	-	
DTVP1445							
40	W40CM	KNOXVILLE TN	252.9	LIC	BLTTL	-	
20080724ABW							
40	W40CM	KNOXVILLE TN	252.9	CP MOD	BMPTTL	-	
20080723AAV							

EXHIBIT E

POWER DENSITY CALCULATION
PROPOSED WIRE-CD
CHANNEL 40 – ATLANTA, GEORGIA

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Atlanta facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 15.0 kw, an antenna radiation center 244 meters above ground, and the vertical pattern of the ERI antenna, maximum power density two meters above ground of 0.00035 mw/cm^2 is calculated to occur 74 meters north-northwest of the base of the tower. Since this is only 0.9 percent of the 0.42 mw/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 40 (626-632 MHz), this proposal may be excluded from consideration with respect to public exposure to nonionizing electromagnetic radiation.

Further, the station owner will take whatever precautionary steps are necessary, such as reducing power or leaving the air temporarily, to ensure that workers operating in the vicinity of the antenna are not exposed to excessive nonionizing radiation.