

# ***APPLICATION FOR CONSTRUCTION PERMIT***

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**W41EL-D – COLUMBUS, GEORGIA  
FACILITY ID: 190707**

**DIGITAL NETWORKS–SOUTHEAST, LLC**

**APRIL 2019**

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## **APPLICATION FOR CONSTRUCTION PERMIT - DISPLACEMENT**

The following engineering statement and attached exhibits have been prepared for **Digital Networks-Southeast, LLC** (“Southeast”), permittee of digital low power television station W41EL-D at Eufaula, Alabama, and are in support of their application for construction permit for displacement. This application addresses the displacement of the existing construction permit under FCC File No. BDCCDTL-20120718ACP, and changes the community of license to Columbus, Georgia.<sup>1</sup>

The current construction permit for W41EL-D authorizes operation as a digital low power station on channel 41. The authorized facility would operate with a maximum effective radiated power of 1 kW at a center of radiation of 248 meters above mean sea level utilizing a directional antenna. The proposed facility would operate on channel 20 as digital low power facility with a maximum effective radiated power of 1.7 kW at a center of radiation of 177.5 meters AMSL. The antenna proposed for use is a Kathrein-Scala PR-TV array consisting of two elements. One is oriented at 30 degrees true with the other at 210 degrees true.<sup>2</sup> This array does not specify the use of beamtilt.

The technical parameters for this application propose the use of the current authorized site. This, therefore, represents a minor change to the existing construction permit. Exhibit E-1 makes a comparison between the licensed analog facility, the authorized digital facility, and the proposed facility. As this map demonstrates, contour overlap exists between the authorized and proposed

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<sup>1</sup> The Facility ID for W41EL-D is 190707.

<sup>2</sup> The array is specified with one element at 0 degrees true, and the other at 180 degrees true. The array is then rotated 30 degrees clockwise.

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facilities, and the proposed technical parameters are located within 30 miles of the licensed analog site.

Exhibit E-2 is the output from *TVStudy* for the proposed operation. This study demonstrates that there are no outgoing IX check failures to any proposed or authorized facility except for the license for WCOV-TV at Montgomery, Alabama.<sup>3</sup> WCOV-TV is assigned to phase 5 of the repack. Southeast respectfully requests a waiver of Section 73.3517 of the Commission's Rules, if necessary, as this application is contingent on the cessation of operation by WCOV-TV on channel 20. A grant of this application would be in the public interest as it will permit W41EL to serve its viewers on a new channel within the repacked core. Southeast agrees to the placement of a condition on the construction permit that operations on channel 20 cannot commence until such time as WCOV-TV commences operation on channel 22.

The proposed facility would not constitute a significant environmental impact, and is exempt from environmental processing. The proposed antenna would be mounted to an existing tower that is registered with the Commission. The addition of the antenna to this tower would not increase the already existing environmental impact present from the tower.

In addition, the proposed facility would not result in human exposure at ground level to radiofrequency radiation in excess of the Commission's safety standards. Using the equations in Supplement A of *OET Bulletin 65*, the calculated worst-case power density at ground level assuming a downward radiation relative field of 0.3 is  $1.79 \mu\text{W}/\text{cm}^2$ . This value is substantially below the upper limit of the uncontrolled environment condition. Southeast certifies it will

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<sup>3</sup> The Facility ID for WCOV-TV at Montgomery, Alabama is 73642.

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coordinate with all other users of the site to ensure that workers and other personnel are not exposed to levels of radiofrequency radiation in excess of the applicable safety standards. Coordination activities will include, but are not necessarily limited to, a reduction in transmitter power or cessation of operation.

The proposed facility complies with the provisions of Section 74.709 of the Commission's Rules. No land mobile protection issues have been identified based on the tables in that section of the rules, or on the output of *TVStudy*. The proposed facility also complies with Sections 74.793(e)-(h) and 74.793(h) of the Commission's Rules, unless waived as was previously discussed in this text.

The preceding statement and attached exhibits have been prepared by me, or under my direction, and are true and accurate to the best of my belief and knowledge.



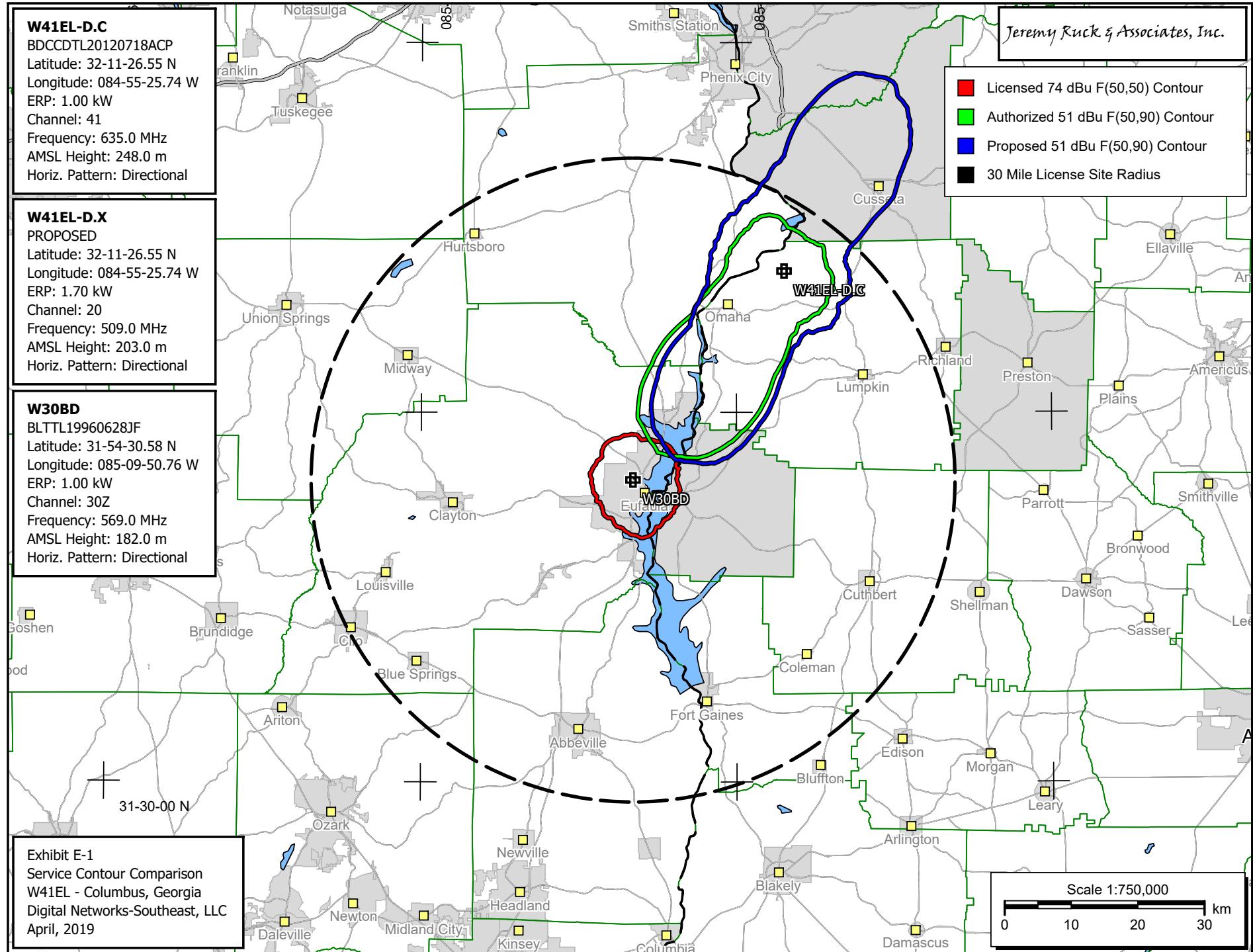
Above signature is digitized copy of actual signature  
License Expires November 30, 2019

Jeremy D. Ruck, PE  
April 30, 2019

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## Exhibit E-2 - TVStudy Interference Study

tvstudy v2.2.5 (4uoc83)

Database: 127.0.0.1, Study: W41EL Channel 20 Displacement 04-30-2019, Model: Longley-Rice  
 Start: 2019.04.30 17:56:19

Study created: 2019.04.30 17:56:19

Study build station data: LMS TV 2019-04-29

Proposal: W41EL-D.X D20 LD CP Columbus, GA

File number: BDCCDTL20120718ACP

Facility ID: 190707

Station data: User record

Record ID: 27

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WQMK-LD	N18+	TX	LIC	CUSSETA, AL	BLTTL20100527ABG	72.3 km
No	WIHQ	D19	DT	LIC	DEMOPOLIS, AL	BLEDT20090511AHE	278.0
No	WDSF-LD	D19	LD	LIC	MONTGOMERY, AL	BLANK000001458	143.8
No	WIYC	D19	DT	CP	TROY, AL	BLANK0000034521	97.7
No	NEW	D19	LD	APP	TALLAHASSEE, FL	BNPDTL20090825AAO	198.3
No	NEW	D19	LD	APP	TALLAHASSEE, FL	BNPDTL20090825BLU	190.6
No	NEW	D19	LD	APP	ALBANY, GA	BNPDTL20090825CAA	98.1
No	NEW	D19	LD	APP	ALBANY, GA	BNPDTL20090825AII	98.1
No	WGCL-TV	D19	DT	LIC	ATLANTA, GA	BLCDT20060113ACO	187.8
No	WTIH	D19	DT	CP	BAINBRIDGE, GA	BLANK0000034478	190.6
No	NEW	D19	LD	APP	CAMILLA/MOULTRIE, GA	BNPDTL20090825AYL	142.6
No	W19DW-D	D19	LD	CP	COLUMBUS, GA	BLANK0000015603	39.0
No	WANX-LP	N19+	TX	LIC	COLUMBUS, GA	BLTTL20070813AAT	21.4
No	W19DN-D	D19	LD	CP	MACON, GA	BLANK0000036282	142.2
No	WABM	D20	DT	CP	BIRMINGHAM, AL	BLANK0000034382	227.2
No	W20DE-D	D20	LD	LIC	BIRMINGHAM, AL	BLDTL20120222AAL	228.8
No	WJJN-LD	D20	LD	CP	DOOTHAN, AL	BLANK0000054496	113.6
No	WKRG-TV	D20	DT	CP	MOBILE, AL	BLANK0000027663	322.2
No	WMPV-TV	D20	DT	LIC	MOBILE, AL	BLCDT20100420AAK	309.2
Yes	WCOW-TV	D20	DT	LIC	MONTGOMERY, AL	BLCDT20090312AAO	119.1
No	W20DF-D	D20	LD	LIC	RUSSELLVILLE, AL	BLANK000004499	367.1
Yes	W40DI-D	D20	LD	APP	TROY, AL	BLANK0000071948	97.0
No	NEW	D20	LD	APP	DUNNELLON, FL	BNPDTL20090825BFT	412.0
No	WCWJ	D20	DT	CP	JACKSONVILLE, FL	BLANK0000029603	384.7
No	WKBJ-LD	D20	LD	LIC	LIVE OAK, FL	BLANK000008067	383.7
No	NEW	D20	LD	APP	MADISON, FL	BNPDTL20090825AHV	235.7
No	W20DX-D	D20	LD	CP	PANAMA CITY, FL	BLANK0000036245	229.9
No	NEW	D20	LD	APP	TALLAHASSEE, FL	BNPDTL20090825AJC	197.8
No	NEW	D20	LD	APP	WILLISTON, FL	BNPDTL20090825BUO	403.4
No	W20DO-D	D20	LD	CP	ALBANY, GA	BLANK0000011851	98.1
No	WANN-CD	D20	DC	CP	ATLANTA, GA	BLANK0000028242	187.8
Yes	WPCH-TV	D20	DT	LIC	ATLANTA, GA	BLCDT20050204AAD	187.8
No	WCZC-LD	D20	LD	LIC	AUGUSTA, GA	BLDTL20150112ACR	284.3
No	W20DZ-D	D20	LD	CP	BYRON, GA	BNPDTL20100510AFP	121.1
No	WDNN-CD	D20	DC	CP	DALTON, GA	BLANK0000028630	282.7
No	WCGZ-LD	D20	LD	CP	LA GRANGE, GA	BLANK0000053202	92.4
No	W20DL-D	D20	LD	CP	MACON, GA	BNPDTL20100205ACG	142.5
No	WHDS-LD	D20	LD	CP	Savannah, GA	BLANK0000067538	358.2
No	WCTV	D20	DT	CP	THOMASVILLE, GA	BLANK0000033928	193.0
No	W20CY	D20	LD	CP	TIFTON, GA	BDFCDTL20091118AGP	157.5
No	W20CY	N20	TX	LIC	TIFTON, GA	BLTTL20121211ABO	157.5
No	NEW	D20	LD	APP	VALDOSTA, GA	BNPDTL20090825CAG	214.1
No	W20EC-D	D20	LD	CP	VIDALIA, GA	BDCCDTL20121001AGL	256.7
No	NEW	D20	LD	APP	COLUMBUS, MS	BNPDTL20100507ACM	357.9
No	W49DB-D	D20	LD	CP	ANDREWS, ETC, NC	BLANK0000053439	356.4
No	WUNF-TV	D20	DD	CP	ASHEVILLE, NC	BLANK0000029742	402.1
No	WBXX-TV	D20	DT	LIC	CROSSVILLE, TN	BLCDT20090619ABD	438.8
No	WDHN	D21	DT	LIC	DOOTHAN, AL	BLCDT20090303ACR	111.8
No	WTTO	D21	DT	CP	HOMWOOD, AL	BLANK0000029999	227.2

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## Exhibit E-2 - TVStudy Interference Study

No	WETU-LD	D21	LD	CP	MONTGOMERY, AL	BLANK0000054278	129.2
No	WBXT-LD	D21z	LD	CP	TALLAHASSEE, FL	BLANK0000051930	189.9
No	WPBA	D21	DT	LIC	ATLANTA, GA	BLEDT20041013ABK	182.7
Yes	WANX-LP	D21+	LD	CP	COLUMBUS, GA	BLANK0000071786	23.1
No	WCGZ-LD	D21	LD	LIC	LA GRANGE, GA	BLDTL20140226AGJ	78.7
No	W21DA-D	D21	LD	LIC	Macon, GA	BLANK000004984	168.2
No	W21DA-D	D21	LD	CP	Macon, GA	BLANK000005517	142.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

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Channel: D20
Mask: Full Service
Latitude: 32 11 27.00 N (NAD83)
Longitude: 84 55 26.00 W
Height AMSL: 203.0 m
HAAT: 106.7 m
Peak ERP: 1.70 kW
Antenna: SCA PR-TV x2 Array 1@0 1@180 30.0 deg
Elev Pattrn: Generic

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49.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.061 kW	133.5 m	19.3 km
45.0	0.676	100.5	29.0
90.0	0.016	81.0	10.7
135.0	0.015	98.7	11.6
180.0	0.061	94.1	15.6
225.0	0.676	114.6	30.4
270.0	0.016	108.2	12.3
315.0	0.015	122.9	12.8

Distance to Canadian border: 1072.9 km

Distance to Mexican border: 1353.6 km

Conditions at FCC monitoring station: Powder Springs GA  
Bearing: 5.7 degrees Distance: 186.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 301.6 degrees Distance: 2017.4 km

No land mobile station failures found

Study cell size: 1.00 km

Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%

Maximum new IX to LPTV: 2.00%

Interference to BLCDT20090312AAO LIC scenario 1

\*\*IX: 1.01% interference caused

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WCOV-TV	D20	DT	LIC	MONTGOMERY, AL	BLCDT20090312AAO	
Undesireds:	W41EL-D.X	D20	LD	CP	Columbus, GA	BDCCDTL20120718ACP	119.1 km
	WIIQ	D19	DT	LIC	DEMOPOLIS, AL	BLEDT20090511AHE	166.8
	WMPV-TV	D20	DT	LIC	MOBILE, AL	BLCDT20100420AAK	204.5
	WPCH-TV	D20	DT	LIC	ATLANTA, GA	BLCDT20050204AAD	265.4
	WMPN-TV	D20	DT	LIC	JACKSON, MS	BLEDT20080807AAP	400.4
	WDHN	D21	DT	LIC	DOTHAN, AL	BLCDT20090303ACR	114.6

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Service area		Terrain-limited		IX-free, before		IX-free, after		Percent	New IX
34298.5	862,993	34000.8	859,768	32411.8	832,618	32011.0	824,228	1.24	1.01
Undesired		Total IX		Unique IX, before		Unique IX, after			
W41EL-D.X D20 LD CP	653.0	15,279				400.8	8,390		
WIIQ D19 DT LIC	4.0	60		2.0	60	2.0	60		
WMPV-TV D20 DT LIC	649.4	5,500		564.3	3,973	560.3	3,943		
WPCH-TV D20 DT LIC	615.6	12,802		567.1	12,081	360.5	6,239		
WMPN-TV D20 DT LIC	3.0	0		1.0	0	1.0	0		
WDHN D21 DT LIC	418.2	10,362		360.3	9,462	346.1	9,360		

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Interference to BLANK0000071948 APP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	W40DI-D	D20	LD	APP	TROY, AL	BLANK0000071948			
Undesireds:	W41EL-D.X D20	LD	CP		Columbus, GA	BDCCDTL20120718ACP	97.0 km		
	WDSF-LD D19	LD	LIC		MONTGOMERY, AL	BLANK000001458	60.2		
	WIYC D19	DT	CP		TROY, AL	BLANK0000034521	1.1		
	WABM D20	DT	CP		BIRMINGHAM, AL	BLANK0000034382	176.9		
	WJJN-LD D20	LD	CP		DOOTHAN, AL	BLANK0000054496	105.2		
	WKRG-TV D20	DT	CP		MOBILE, AL	BLANK0000027663	235.6		
	WCGZ-LD D20	LD	CP		LA GRANGE, GA	BLANK0000053202	128.6		
	WCTV D20	DT	CP		THOMASVILLE, GA	BLANK0000033928	245.6		
	W20CY D20	LD	CP		TIFTON, GA	BDFCDTL20091118AGP	240.6		
	WANX-LP	D21+	LD	CP	COLUMBUS, GA	BLANK0000071786	102.1		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent	New IX
6038.1	67,383	5983.5	67,180	5189.6	58,228	5189.6	58,228	0.00	0.00
Undesired		Total IX		Unique IX, before		Unique IX, after			
W41EL-D.X D20 LD CP	3.0	0				0.0	0		
WDSF-LD D19 LD LIC	8.1	54		0.0	0	0.0	0		
WIYC D19 DT CP	579.6	7,376		480.6	6,345	480.6	6,345		
WABM D20 DT CP	263.8	2,352		116.3	470	116.3	470		
WJJN-LD D20 LD CP	94.1	1,660		14.2	45	14.2	45		
WKRG-TV D20 DT CP	25.3	159		3.0	0	3.0	0		
WCGZ-LD D20 LD CP	3.0	0		0.0	0	0.0	0		
WCTV D20 DT CP	46.4	278		11.1	13	11.1	13		

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Interference to BLANK0000071948 APP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	W40DI-D	D20	LD	APP	TROY, AL	BLANK0000071948			
Undesireds:	W41EL-D.X D20	LD	CP		Columbus, GA	BDCCDTL20120718ACP	97.0 km		
	WDSF-LD D19	LD	LIC		MONTGOMERY, AL	BLANK000001458	60.2		
	WIYC D19	DT	CP		TROY, AL	BLANK0000034521	1.1		
	WABM D20	DT	CP		BIRMINGHAM, AL	BLANK0000034382	176.9		
	WJJN-LD D20	LD	CP		DOOTHAN, AL	BLANK0000054496	105.2		
	WKRG-TV D20	DT	CP		MOBILE, AL	BLANK0000027663	235.6		
	WCTV D20	DT	CP		THOMASVILLE, GA	BLANK0000033928	245.6		
	W20CY D20	LD	CP		TIFTON, GA	BDFCDTL20091118AGP	240.6		
	WANX-LP	D21+	LD	CP	COLUMBUS, GA	BLANK0000071786	102.1		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent	New IX
6038.1	67,383	5983.5	67,180	5189.6	58,228	5189.6	58,228	0.00	0.00
Undesired		Total IX		Unique IX, before		Unique IX, after			
W41EL-D.X D20 LD CP	3.0	0				0.0	0		
WDSF-LD D19 LD LIC	8.1	54		0.0	0	0.0	0		
WIYC D19 DT CP	579.6	7,376		480.6	6,345	480.6	6,345		
WABM D20 DT CP	263.8	2,352		117.3	470	117.3	470		
WJJN-LD D20 LD CP	94.1	1,660		14.2	45	14.2	45		
WKRG-TV D20 DT CP	25.3	159		3.0	0	3.0	0		
WCTV D20 DT CP	46.4	278		11.1	13	11.1	13		

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## Exhibit E-2 - TVStudy Interference Study

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Interference to BLCDT20050204AAD LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPCH-TV	D20	DT	LIC	ATLANTA, GA	BLCDT20050204AAD	
Undesireds:	W41EL-D.X	D20	LD	CP	COLUMBUS, GA	BDCCDTL20120718ACP	187.8 km
	WCOV-TV	D20	DT	LIC	MONTGOMERY, AL	BLCDT20090312AAO	265.4
	WBXX-TV	D20	DT	LIC	CROSSVILLE, TN	BLCDT20090619ABD	255.8
	WPBA	D21	DT	LIC	ATLANTA, GA	BLEDT20041013ABK	5.4
Service area					Terrain-limited	IX-free, before	
32239.9	5,987,078	30841.2			5,929,311	29813.1	IX-free, after
						5,863,244	29807.1
						5,862,887	Percent New IX
						0.02	0.01
Undesired					Total IX	Unique IX, before	Unique IX, after
W41EL-D.X D20 LD CP		28.0			2,510	6.0	357
WCOV-TV D20 DT LIC		430.0			16,573	353.4	11,615
WBXX-TV D20 DT LIC		667.8			52,250	592.1	49,445
WPBA D21 DT LIC		7.0			49	6.0	49

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Interference to BLANK0000071786 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WANX-LP	D21+	LD	CP	COLUMBUS, GA	BLANK0000071786	
Undesireds:	W41EL-D.X	D20	LD	CP	COLUMBUS, GA	BDCCDTL20120718ACP	23.1 km
	WCGZ-LD	D20	LD	CP	LA GRANGE, GA	BLANK0000053202	69.8
	WDHN	D21	DT	LIC	DOTHAN, AL	BLCDT20090303ACR	133.6
	WTTO	D21	DT	CP	HOMewood, AL	BLANK0000029999	212.6
	WETU-LD	D21	LD	CP	MONTGOMERY, AL	BLANK0000054278	127.5
	WPBA	D21	DT	LIC	ATLANTA, GA	BLEDT20041013ABK	161.1
	W21DA-D	D21	LD	LIC	Macon, GA	BLANK0000004984	164.4
	W22EA-D	D22	LD	CP	COLUMBUS, GA	BNPDTL20100423ACH	17.3
Service area					Terrain-limited	IX-free, before	IX-free, after
3766.8	307,625	3739.7			307,620	3412.2	300,439
						3406.2	300,437
						Percent New IX	
						0.18	0.00
Undesired					Total IX	Unique IX, before	Unique IX, after
W41EL-D.X D20 LD CP		8.1			2	6.0	2
WDHN D21 DT LIC		271.2			6,230	249.1	5,737
WTTO D21 DT CP		21.1			238	9.0	126
WETU-LD D21 LD CP		2.0			24	0.0	0
WPBA D21 DT LIC		4.0			7	0.0	0
W22EA-D D22 LD CP		55.2			1,177	46.2	825
						46.2	825

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Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W41EL-D.X	D20	LD	CP	COLUMBUS, GA	BDCCDTL20120718ACP	
Undesireds:	WABM	D20	DT	CP	BIRMINGHAM, AL	BLANK0000034382	227.2 km
	WJJN-LD	D20	LD	CP	DOTHAN, AL	BLANK0000054496	113.6
	W40DI-D	D20	LD	APP	TROY, AL	BLANK0000071948	97.0
	WCGZ-LD	D20	LD	CP	LA GRANGE, GA	BLANK0000053202	92.4
	WCTV	D20	DT	CP	THOMASVILLE, GA	BLANK0000033928	193.0
	W20CY	D20	LD	CP	TIFTON, GA	BDFCDTL20091118AGP	157.5
	WANX-LP	D21+	LD	CP	COLUMBUS, GA	BLANK0000071786	23.1
Service area					Terrain-limited	IX-free	Percent IX
1222.2	7,880	1206.2			6,789	1163.9	6,723
						3.50	0.97
Undesired					Total IX	Unique IX	Prcnt Unique IX
WABM D20 DT CP		11.1			64	1.0	57 0.08 0.84
WJJN-LD D20 LD CP		5.0			1	1.0	0 0.08 0.00
W40DI-D D20 LD APP		14.1			7	6.1	0 0.50 0.00
WCGZ-LD D20 LD CP		12.1			7	1.0	0 0.08 0.00
WCTV D20 DT CP		14.1			1	4.0	0 0.33 0.00
WANX-LP D21+ LD CP		14.1			8	8.0	1 0.67 0.01

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## Exhibit E-2 - TVStudy Interference Study

-----  
Interference to proposal scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W41EL-D.X	D20	LD	CP	Columbus, GA	BDCCDTL20120718ACP	
Undesireds:	WABM	D20	DT	CP	BIRMINGHAM, AL	BLANK0000034382	227.2 km
	WJJN-LD	D20	LD	CP	DOOTHAN, AL	BLANK0000054496	113.6
	W40DI-D	D20	LD	APP	TROY, AL	BLANK0000071948	97.0
	WCGZ-LD	D20	LD	CP	LA GRANGE, GA	BLANK0000053202	92.4
	WCTV	D20	DT	CP	THOMASVILLE, GA	BLANK0000033928	193.0
	W20CY	D20	LD	CP	TIFTON, GA	BDFCDTL20091118AGP	157.5
Service area					Terrain-limited	IX-free	Percent IX
1222.2		7,880			1206.2	6,789	1171.9
						6,724	2.84 0.96
Undesired					Total IX	Unique IX	Prcnt Unique IX
WABM D20 DT CP			11.1		64	2.0	57 0.17 0.84
WJJN-LD D20 LD CP			5.0		1	1.0	0 0.08 0.00
W40DI-D D20 LD APP			14.1		7	6.1	0 0.50 0.00
WCGZ-LD D20 LD CP			12.1		7	2.0	0 0.17 0.00
WCTV D20 DT CP			14.1		1	7.0	0 0.58 0.00

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Interference to proposal scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W41EL-D.X	D20	LD	CP	Columbus, GA	BDCCDTL20120718ACP	
Undesireds:	WABM	D20	DT	CP	BIRMINGHAM, AL	BLANK0000034382	227.2 km
	WJJN-LD	D20	LD	CP	DOOTHAN, AL	BLANK0000054496	113.6
	W40DI-D	D20	LD	APP	TROY, AL	BLANK0000071948	97.0
	WCTV	D20	DT	CP	THOMASVILLE, GA	BLANK0000033928	193.0
	W20CY	D20	LD	CP	TIFTON, GA	BDFCDTL20091118AGP	157.5
	WANX-LP	D21+	LD	CP	COLUMBUS, GA	BLANK0000071786	23.1
Service area					Terrain-limited	IX-free	Percent IX
1222.2		7,880			1206.2	6,789	1164.9
						6,723	3.42 0.97
Undesired					Total IX	Unique IX	Prcnt Unique IX
WABM D20 DT CP			11.1		64	3.0	57 0.25 0.84
WJJN-LD D20 LD CP			5.0		1	1.0	0 0.08 0.00
W40DI-D D20 LD APP			14.1		7	7.1	0 0.59 0.00
WCTV D20 DT CP			14.1		1	6.0	0 0.50 0.00
WANX-LP D21+ LD CP			14.1		8	9.0	1 0.75 0.01

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Interference to proposal scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W41EL-D.X	D20	LD	CP	Columbus, GA	BDCCDTL20120718ACP	
Undesireds:	WABM	D20	DT	CP	BIRMINGHAM, AL	BLANK0000034382	227.2 km
	WJJN-LD	D20	LD	CP	DOOTHAN, AL	BLANK0000054496	113.6
	W40DI-D	D20	LD	APP	TROY, AL	BLANK0000071948	97.0
	WCTV	D20	DT	CP	THOMASVILLE, GA	BLANK0000033928	193.0
	W20CY	D20	LD	CP	TIFTON, GA	BDFCDTL20091118AGP	157.5
Service area					Terrain-limited	IX-free	Percent IX
1222.2		7,880			1206.2	6,789	1173.9
						6,724	2.67 0.96
Undesired					Total IX	Unique IX	Prcnt Unique IX
WABM D20 DT CP			11.1		64	4.0	57 0.33 0.84
WJJN-LD D20 LD CP			5.0		1	1.0	0 0.08 0.00
W40DI-D D20 LD APP			14.1		7	7.1	0 0.59 0.00
WCTV D20 DT CP			14.1		1	9.0	0 0.75 0.00

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