

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Nash9d3kwEC310IF, Model: Longley-Rice

Start: 2021.07.20 10:40:31

Study created: 2021.07.20 10:40:31

Study build station data: LMS TV 2021-07-20

Proposal: W09DM-D D9 LD APP Nashville, TN

Facility ID: 186742

Station data: User record

Record ID: 674

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	WBNA	D8	DT	CP	LOUISVILLE, KY	BLANK0000035747	225.4 km
No	WBNA	D8	DT	LIC	LOUISVILLE, KY	BLCDT20021024AAB	225.4
No	WDEF-TV	D8	DT	LIC	CHATTANOOGA, TN	BLANK0000139132	175.1
No	WGWW	D9	DT	CP	ANNISTON, AL	BLANK0000036011	287.6
No	WGWW	D9	DT	LIC	ANNISTON, AL	BLCDT20050222ACG	287.6
No	WEQT-LD	D9	LD	LIC	Atlanta, GA	BLANK0000004308	348.7
No	W09DL-D	D9	LD	LIC	MOUNT VERNON, IL	BLANK0000113204	367.2
No	WILL-TV	D9	DT	APP	URBANA, IL	BPEDT20100406ABJ	460.0
No	WILL-TV	D9	DT	LIC	URBANA, IL	BLEDT20050920AEE	460.0
Yes	WNIN	D9	DT	LIC	EVANSVILLE, IN	BLANK0000138090	205.5
No	WISH-TV	D9	DT	LIC	INDIANAPOLIS, IN	BLANK0000055426	415.8
No	WQWQ-LD	N9-	TX	LIC	PADUCAH, KY	BLTVL20010220AAH	188.8
No	WBON-LD	D9	LD	LIC	Richmond, KY	BLANK0000112098	285.8
Yes	WMAE-TV	D9	DT	LIC	BOONEVILLE, MS	BLANK0000117125	245.2
No	W09AG-D	D9	LD	LIC	FRANKLIN, NC	BLDTV20120622ABQ	309.5
No	W09AF-D	D9	LD	LIC	SYLVA, NC	BLDTV20120622ACL	333.1
No	WNTV	D9	DT	LIC	GREENVILLE, SC	BLANK0000040864	418.1
Yes	WTVC	D9	DT	LIC	CHATTANOOGA, TN	BLCDT20090914ABU	173.6

Yes	WTVG	D9	DT	CP	CHATTANOOGA, TN	BLANK0000035651	173.6
No	WJHL-TV	D9	DT	LIC	JOHNSON CITY, TN	BLANK0000116747	416.6
No	WBIR-TV	D10	DT	LIC	KNOXVILLE, TN	BLCDT20090619ADG	255.6
No	WSMV-TV	D10	DT	LIC	NASHVILLE, TN	BLCDT20021029AAV	8.8

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:

WVOL 1470 L DA2 D BERRY HILL, TN BL19790626AE

WVOL 1470 L DA2 N BERRY HILL, TN BL19790626AE

Record parameters as studied:

Channel: D9  
Mask: Full Service  
Latitude: 36 10 37.30 N (NAD83)  
Longitude: 86 46 41.20 W  
Height AMSL: 260.0 m  
HAAT: 0.0 m  
Peak ERP: 3.00 kW  
Antenna: PSI-PSIVLP2EC2 (ID 91720) 310.0 deg  
Elev Pattn: Generic

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	3.00 kW	74.9 m	41.1 km
45.0	2.29	113.4	45.9
90.0	0.640	115.8	37.4
135.0	0.239	102.1	29.0
180.0	0.961	70.0	32.6
225.0	2.59	89.7	42.9
270.0	2.89	122.5	48.7
315.0	2.58	68.3	38.7

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 95 m

Distance to Canadian border: 706.4 km

Distance to Mexican border: 1487.6 km

Conditions at FCC monitoring station: Powder Springs GA  
Bearing: 143.4 degrees Distance: 318.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 290.8 degrees Distance: 1667.5 km

Study cell size: 1.00 km  
Profile point spacing: 0.20 km

Maximum new IX to full-service and Class A: 0.50%  
Maximum new IX to LPTV: 2.00%

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Interference to BLANK0000138090 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNIN	D9	DT	LIC	EVANSVILLE, IN	BLANK0000138090	
Undesireds:	W09DM-D	D9	LD	APP	Nashville, TN		205.5 km
	WSIU-TV	D8	DT	LIC	CARBONDALE, IL	BLEDT20090612ADB	173.3
	WBNA	D8	DT	CP	LOUISVILLE, KY	BLANK0000035747	132.8
	WILL-TV	D9	DT	APP	URBANA, IL	BPEDT20100406ABJ	258.4
	WISH-TV	D9	DT	LIC	INDIANAPOLIS, IN	BLANK0000055426	231.0
	WMAE-TV	D9	DT	LIC	BOONEVILLE, MS	BLANK0000117125	391.8
	WTVC	D9	DT	LIC	CHATTANOOGA, TN	BLCDT20090914ABU	358.9
	WTHI-TV	D10	DT	LIC	TERRE HAUTE, IN	BLCDT20090622ACG	140.4
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
31703.1	908,798	30374.3	887,713	29377.8	871,532	29365.8 871,050	0.04 0.06
Undesired	Total IX			Unique IX, before		Unique IX, after	

W09DM-D D9 LD APP	20.1	495			12.0	482
WBNA D8 DT CP	37.4	1,939	11.1	557	11.1	557
WILL-TV D9 DT APP	784.8	11,725	379.2	5,819	379.2	5,819
WISH-TV D9 DT LIC	574.3	9,071	145.4	2,087	143.4	2,087
WMAE-TV D9 DT LIC	2.0	0	2.0	0	1.0	0
WTVC D9 DT LIC	6.1	13	2.0	0	0.0	0
WTHI-TV D10 DT LIC	157.7	1,726	12.0	405	12.0	405

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Interference to BLANK0000138090 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WNIN	D9	DT	LIC	EVANSVILLE, IN	BLANK0000138090	
Undesireds:	W09DM-D	D9	LD	APP	Nashville, TN		205.5 km
	WSIU-TV	D8	DT	LIC	CARBONDALE, IL	BLEDT20090612ADB	173.3
	WBNA	D8	DT	CP	LOUISVILLE, KY	BLANK0000035747	132.8
	WILL-TV	D9	DT	LIC	URBANA, IL	BLEDT20050920AEE	258.4
	WISH-TV	D9	DT	LIC	INDIANAPOLIS, IN	BLANK0000055426	231.0
	WMAE-TV	D9	DT	LIC	BOONEVILLE, MS	BLANK0000117125	391.8
	WTVC	D9	DT	LIC	CHATTANOOGA, TN	BLCDT20090914ABU	358.9
	WTHI-TV	D10	DT	LIC	TERRE HAUTE, IN	BLCDT20090622ACG	140.4
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
31703.1	908,798	30374.3	887,713	29437.9	871,776	29425.9 871,294	0.04 0.06

Undesired	Total IX	Unique IX, before	Unique IX, after
W09DM-D D9 LD APP	20.1 495	12.0 482	
WBNA D8 DT CP	37.4 1,939	11.1 557	
WILL-TV D9 DT LIC	702.7 11,284	319.0 5,575	
WISH-TV D9 DT LIC	574.3 9,071	162.4 2,210	
WMAE-TV D9 DT LIC	2.0 0	1.0 0	
WTVC D9 DT LIC	6.1 13	0.0 0	
WTHI-TV D10 DT LIC	157.7 1,726	12.0 405	

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Interference to BLANK0000138090 LIC scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNIN	D9	DT	LIC	EVANSVILLE, IN	BLANK0000138090	
Undesireds:	W09DM-D	D9	LD	APP	Nashville, TN		205.5 km
	WSIU-TV	D8	DT	LIC	CARBONDALE, IL	BLEDT20090612ADB	173.3
	WBNA	D8	DT	LIC	LOUISVILLE, KY	BLCDT20021024AAB	132.8
	WILL-TV	D9	DT	APP	URBANA, IL	BPEDT20100406ABJ	258.4
	WISH-TV	D9	DT	LIC	INDIANAPOLIS, IN	BLANK0000055426	231.0
	WMAE-TV	D9	DT	LIC	BOONEVILLE, MS	BLANK0000117125	391.8
	WTVG	D9	DT	LIC	CHATTANOOGA, TN	BLCDT20090914ABU	358.9
	WTHI-TV	D10	DT	LIC	TERRE HAUTE, IN	BLCDT20090622ACG	140.4
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
31703.1	908,798	30374.3	887,713	29383.8	871,742	29371.8 871,260	0.04 0.06
Undesired				Total IX	Unique IX, before		Unique IX, after
W09DM-D D9 LD APP	20.1			495	12.0 482		
WBNA D8 DT LIC	26.3			1,709	5.1 347		
WILL-TV D9 DT APP	784.8			11,725	379.2 5,819		
WISH-TV D9 DT LIC	574.3			9,071	150.4 2,107		
WMAE-TV D9 DT LIC	2.0			0	2.0 0		
WTVG D9 DT LIC	6.1			13	2.0 0		
WTHI-TV D10 DT LIC	157.7			1,726	12.0 405		

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Interference to BLANK0000138090 LIC scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNIN	D9	DT	LIC	EVANSVILLE, IN	BLANK0000138090	
Undesireds:	W09DM-D	D9	LD	APP	Nashville, TN		205.5 km
	WSIU-TV	D8	DT	LIC	CARBONDALE, IL	BLEDT20090612ADB	173.3
	WBNA	D8	DT	LIC	LOUISVILLE, KY	BLCDT20021024AAB	132.8
	WILL-TV	D9	DT	LIC	URBANA, IL	BLEDT20050920AEE	258.4
	WISH-TV	D9	DT	LIC	INDIANAPOLIS, IN	BLANK0000055426	231.0
	WMAE-TV	D9	DT	LIC	BOONEVILLE, MS	BLANK0000117125	391.8
	WTVG	D9	DT	LIC	CHATTANOOGA, TN	BLCDT20090914ABU	358.9
	WTHI-TV	D10	DT	LIC	TERRE HAUTE, IN	BLCDT20090622ACG	140.4

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
31703.1 908,798	30374.3 887,713	29444.0 871,986	29432.0 871,504	0.04 0.06

Undesired	Total IX	Unique IX, before	Unique IX, after
W09DM-D D9 LD APP	20.1 495	12.0 482	
WBNA D8 DT LIC	26.3 1,709	5.1 347	
WILL-TV D9 DT LIC	702.7 11,284	319.0 5,575	
WISH-TV D9 DT LIC	574.3 9,071	167.4 2,230	
WMAE-TV D9 DT LIC	2.0 0	1.0 0	
WTVC D9 DT LIC	6.1 13	0.0 0	
WTHI-TV D10 DT LIC	157.7 1,726	12.0 405	

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Interference to BLANK0000138090 LIC scenario 5

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WNIN	D9	DT	LIC	EVANSVILLE, IN	BLANK0000138090	
Undesireds: W09DM-D	D9	LD	APP	Nashville, TN		205.5 km
WSIU-TV	D8	DT	LIC	CARBONDALE, IL	BLEDT20090612ADB	173.3
WBNA	D8	DT	CP	LOUISVILLE, KY	BLANK0000035747	132.8
WILL-TV	D9	DT	APP	URBANA, IL	BPEDT20100406ABJ	258.4
WISH-TV	D9	DT	LIC	INDIANAPOLIS, IN	BLANK0000055426	231.0
WMAE-TV	D9	DT	LIC	BOONEVILLE, MS	BLANK0000117125	391.8
WTVC	D9	DT	CP	CHATTANOOGA, TN	BLANK0000035651	358.9
WTHI-TV	D10	DT	LIC	TERRE HAUTE, IN	BLCDT20090622ACG	140.4

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
31703.1 908,798	30374.3 887,713	29372.7 871,292	29362.7 871,050	0.03 0.03

Undesired	Total IX	Unique IX, before	Unique IX, after
W09DM-D D9 LD APP	20.1 495	10.0 242	
WBNA D8 DT CP	37.4 1,939	11.1 557	
WILL-TV D9 DT APP	784.8 11,725	379.2 5,819	
WISH-TV D9 DT LIC	574.3 9,071	141.4 2,087	
WMAE-TV D9 DT LIC	2.0 0	1.0 0	
WTVC D9 DT CP	14.1 253	3.0 0	

WTHI-TV D10 DT LIC	157.7	1,726	12.0	405	12.0	405
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Interference to BLANK0000138090 LIC scenario 6

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNIN	D9	DT	LIC	EVANSVILLE, IN	BLANK0000138090	
Undesireds:	W09DM-D	D9	LD	APP	Nashville, TN		205.5 km
	WSIU-TV	D8	DT	LIC	CARBONDALE, IL	BLEDT20090612ADB	173.3
	WBNA	D8	DT	CP	LOUISVILLE, KY	BLANK0000035747	132.8
	WILL-TV	D9	DT	LIC	URBANA, IL	BLEDT20050920AEE	258.4
	WISH-TV	D9	DT	LIC	INDIANAPOLIS, IN	BLANK0000055426	231.0
	WMAE-TV	D9	DT	LIC	BOONEVILLE, MS	BLANK0000117125	391.8
	WTVC	D9	DT	CP	CHATTANOOGA, TN	BLANK0000035651	358.9
	WTHI-TV	D10	DT	LIC	TERRE HAUTE, IN	BLCDT20090622ACG	140.4

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
31703.1 908,798	30374.3 887,713	29432.9 871,536	29422.9 871,294	0.03 0.03

Undesired	Total IX	Unique IX, before	Unique IX, after
W09DM-D D9 LD APP 20.1 495	10.0 242		
WBNA D8 DT CP 37.4 1,939	11.1 557		
WILL-TV D9 DT LIC 702.7 11,284	319.0 5,575		
WISH-TV D9 DT LIC 574.3 9,071	160.3 2,210		
WMAE-TV D9 DT LIC 2.0 0	1.0 0		
WTVC D9 DT CP 14.1 253	3.0 0		
WTHI-TV D10 DT LIC 157.7 1,726	12.0 405		

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Interference to BLANK0000138090 LIC scenario 7

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNIN	D9	DT	LIC	EVANSVILLE, IN	BLANK0000138090	
Undesireds:	W09DM-D	D9	LD	APP	Nashville, TN		205.5 km
	WSIU-TV	D8	DT	LIC	CARBONDALE, IL	BLEDT20090612ADB	173.3
	WBNA	D8	DT	LIC	LOUISVILLE, KY	BLCDT20021024AAB	132.8

WILL-TV	D9	DT	APP	URBANA, IL	BPEDT20100406ABJ	258.4
WISH-TV	D9	DT	LIC	INDIANAPOLIS, IN	BLANK0000055426	231.0
WMAE-TV	D9	DT	LIC	BOONEVILLE, MS	BLANK0000117125	391.8
WTVC	D9	DT	CP	CHATTANOOGA, TN	BLANK0000035651	358.9
WTHI-TV	D10	DT	LIC	TERRE HAUTE, IN	BLCDT20090622ACG	140.4

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
31703.1 908,798	30374.3 887,713	29378.8 871,502	29368.8 871,260	0.03 0.03

Undesired	Total IX	Unique IX, before	Unique IX, after
W09DM-D D9 LD APP 20.1	495	10.0 242	
WBNA D8 DT LIC 26.3	1,709	5.1 347	
WILL-TV D9 DT APP 784.8	11,725	379.2 5,819	
WISH-TV D9 DT LIC 574.3	9,071	147.4 2,107	
WMAE-TV D9 DT LIC 2.0	0	2.0 0	
WTVC D9 DT CP 14.1	253	7.0 240	
WTHI-TV D10 DT LIC 157.7	1,726	12.0 405	

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Interference to BLANK0000138090 LIC scenario 8

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WNIN	D9	DT	LIC	EVANSVILLE, IN	BLANK0000138090	
Undesireds: W09DM-D	D9	LD	APP	Nashville, TN		205.5 km
WSIU-TV	D8	DT	LIC	CARBONDALE, IL	BLEDT20090612ADB	173.3
WBNA	D8	DT	LIC	LOUISVILLE, KY	BLCDT20021024AAB	132.8
WILL-TV	D9	DT	LIC	URBANA, IL	BLEDT20050920AEE	258.4
WISH-TV	D9	DT	LIC	INDIANAPOLIS, IN	BLANK0000055426	231.0
WMAE-TV	D9	DT	LIC	BOONEVILLE, MS	BLANK0000117125	391.8
WTVC	D9	DT	CP	CHATTANOOGA, TN	BLANK0000035651	358.9
WTHI-TV	D10	DT	LIC	TERRE HAUTE, IN	BLCDT20090622ACG	140.4

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
31703.1 908,798	30374.3 887,713	29439.0 871,746	29429.0 871,504	0.03 0.03

Undesired	Total IX	Unique IX, before	Unique IX, after
W09DM-D D9 LD APP 20.1	495	10.0 242	

WBNA D8 DT LIC	26.3	1,709	5.1	347	5.1	347
WILL-TV D9 DT LIC	702.7	11,284	319.0	5,575	319.0	5,575
WISH-TV D9 DT LIC	574.3	9,071	166.4	2,230	165.4	2,230
WMAE-TV D9 DT LIC	2.0	0	2.0	0	1.0	0
WTVC D9 DT CP	14.1	253	7.0	240	3.0	0
WTHI-TV D10 DT LIC	157.7	1,726	12.0	405	12.0	405

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Interference to BLANK0000117125 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	WMAE-TV	D9	DT	LIC	BOONEVILLE, MS	BLANK0000117125			
Undesireds:	W09DM-D	D9	LD	APP	Nashville, TN		245.2 km		
	WGWW	D9	DT	CP	ANNISTON, AL	BLANK0000036011	244.9		
	WNIN	D9	DT	LIC	EVANSVILLE, IN	BLANK0000138090	391.8		
	WTVC	D9	DT	LIC	CHATTANOOGA, TN	BLCDT20090914ABU	317.7		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
30087.0		682,817		28902.2		651,430	0.04		
				28665.8		643,707	0.02		
						28654.8			
Undesired				Total IX	Unique IX, before	Unique IX, after			
W09DM-D D9 LD APP				11.9	181	10.9	144		
WGWW D9 DT CP				229.4	7,408	201.4	5,387		
WNIN D9 DT LIC				1.0	0	1.0	0		
WTVC D9 DT LIC				34.1	2,336	6.0	315		

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Interference to BLANK0000117125 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMAE-TV	D9	DT	LIC	BOONEVILLE, MS	BLANK0000117125	
Undesireds:	W09DM-D	D9	LD	APP	Nashville, TN		245.2 km
	WGWW	D9	DT	LIC	ANNISTON, AL	BLCDT20050222ACG	244.9
	WNIN	D9	DT	LIC	EVANSVILLE, IN	BLANK0000138090	391.8
	WTVC	D9	DT	LIC	CHATTANOOGA, TN	BLCDT20090914ABU	317.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
30087.0	682,817	28902.2	651,430	28739.7	646,584	28728.7	646,440	0.04	0.02

Undesired		Total IX		Unique IX, before		Unique IX, after	
W09DM-D D9 LD APP	11.9	181			10.9	144	
WGWW D9 DT LIC	151.5	4,339		127.5	2,510	127.5	2,510
WNIN D9 DT LIC	1.0	0		1.0	0	1.0	0
WTVC D9 DT LIC	34.1	2,336		10.0	507	10.0	507

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Interference to BLANK0000117125 LIC scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WMAE-TV	D9	DT	LIC	BOONEVILLE, MS	BLANK0000117125	
Undesireds:	W09DM-D	D9	LD	APP	Nashville, TN		245.2 km
	WGWW	D9	DT	CP	ANNISTON, AL	BLANK0000036011	244.9
	WNIN	D9	DT	LIC	EVANSVILLE, IN	BLANK0000138090	391.8
	WTVC	D9	DT	CP	CHATTANOOGA, TN	BLANK0000035651	317.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
30087.0	682,817	28902.2	651,430	28649.8	642,749	28642.8	642,632	0.02	0.02

Undesired		Total IX		Unique IX, before		Unique IX, after	
W09DM-D D9 LD APP	11.9	181			7.0	117	
WGWW D9 DT CP	229.4	7,408		182.3	4,844	182.3	4,844
WNIN D9 DT LIC	1.0	0		1.0	0	1.0	0
WTVC D9 DT CP	69.1	3,837		22.0	1,273	18.0	1,246

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Interference to BLANK0000117125 LIC scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WMAE-TV	D9	DT	LIC	BOONEVILLE, MS	BLANK0000117125	
Undesireds:	W09DM-D	D9	LD	APP	Nashville, TN		245.2 km
	WGWW	D9	DT	LIC	ANNISTON, AL	BLCDDT20050222ACG	244.9
	WNIN	D9	DT	LIC	EVANSVILLE, IN	BLANK0000138090	391.8

WTVC	D9	DT	CP	CHATTANOOGA, TN	BLANK0000035651	317.7		
Service area				Terrain-limited	IX-free, before	IX-free, after	Percent New IX	
30087.0	682,817	28902.2	651,430	28713.7	645,386	28706.7	645,269	0.02 0.02
Undesired				Total IX	Unique IX, before	Unique IX, after		
W09DM-D D9 LD APP	11.9			181		7.0	117	
WGWW D9 DT LIC	151.5			4,339	118.4	2,207	118.4	2,207
WNIN D9 DT LIC	1.0			0	1.0	0	1.0	0
WTVC D9 DT CP	69.1			3,837	36.0	1,705	32.0	1,678

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Interference to BLCDT20090914ABU LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTVC	D9	DT	LIC	CHATTANOOGA, TN	BLCDT20090914ABU	
Undesireds:	W09DM-D	D9	LD	APP	Nashville, TN		173.6 km
	WDEF-TV	D8	DT	LIC	CHATTANOOGA, TN	BLANK0000139132	2.9
	WGWW	D9	DT	CP	ANNISTON, AL	BLANK0000036011	200.0
	WMUM-TV	D9	DT	LIC	COCHRAN, GA	BLANK0000124672	354.6
	WNIN	D9	DT	LIC	EVANSVILLE, IN	BLANK0000138090	358.9
	WMAE-TV	D9	DT	LIC	BOONEVILLE, MS	BLANK0000117125	317.7
	WJHL-TV	D9	DT	LIC	JOHNSON CITY, TN	BLANK0000116747	319.6
	WXIA-TV	D10	DT	LIC	ATLANTA, GA	BLANK0000152840	180.3
	WBIR-TV	D10	DT	LIC	KNOXVILLE, TN	BLCDT20090619ADG	156.0
	WSMV-TV	D10	DT	LIC	NASHVILLE, TN	BLCDT20021029AAV	177.2

Service area				Terrain-limited	IX-free, before	IX-free, after	Percent New IX	
33483.7	1,580,374	27988.7	1,350,436	26944.6	1,295,210	26932.6	1,295,067	0.04 0.01
Undesired				Total IX	Unique IX, before	Unique IX, after		
W09DM-D D9 LD APP	52.0			1,427		12.0	143	
WDEF-TV D8 DT LIC	26.0			551	26.0	551	26.0	551
WGWW D9 DT CP	644.9			38,362	509.7	25,709	507.7	25,649
WMUM-TV D9 DT LIC	77.4			5,437	35.1	752	35.1	752
WNIN D9 DT LIC	33.2			1,288	19.2	933	8.1	415
WMAE-TV D9 DT LIC	185.3			11,642	100.6	3,919	92.7	3,582

WJHL-TV D9 DT LIC	125.9	6,415	53.1	2,060	53.1	2,060
WXIA-TV D10 DT LIC	14.1	1,480	1.0	15	1.0	15
WBIR-TV D10 DT LIC	149.2	7,262	92.5	4,474	92.5	4,474
WSMV-TV D10 DT LIC	1.0	0	0.0	0	0.0	0

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Interference to BLCDT20090914ABU LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WTVS	D9	DT	LIC	CHATTANOOGA, TN	BLCDT20090914ABU	
Undesireds:	W09DM-D	D9	LD	APP	Nashville, TN		173.6 km
	WDEF-TV	D8	DT	LIC	CHATTANOOGA, TN	BLANK00000139132	2.9
	WGWW	D9	DT	CP	ANNISTON, AL	BLANK00000036011	200.0
	WMUM-TV	D9	DT	LIC	COCHRAN, GA	BLANK00000124672	354.6
	WNIN	D9	DT	LIC	EVANSVILLE, IN	BLANK00000138090	358.9
	WMAE-TV	D9	DT	LIC	BOONEVILLE, MS	BLANK00000117125	317.7
	WJHL-TV	D9	DT	LIC	JOHNSON CITY, TN	BLANK00000116747	319.6
	WXIA-TV	D10	DT	LIC	ATLANTA, GA	BLCDT20040302AAO	180.3
	WBIR-TV	D10	DT	LIC	KNOXVILLE, TN	BLCDT20090619ADG	156.0
	WSMV-TV	D10	DT	LIC	NASHVILLE, TN	BLCDT20021029AAV	177.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
33483.7 1,580,374	27988.7 1,350,436	26944.6 1,295,210	26932.6 1,295,067	0.04 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
W09DM-D D9 LD APP 52.0	1,427	12.0 143	
WDEF-TV D8 DT LIC 26.0	551	26.0 551	
WGWW D9 DT CP 644.9	38,362	509.7 25,709	
WMUM-TV D9 DT LIC 77.4	5,437	35.1 752	
WNIN D9 DT LIC 33.2	1,288	19.2 933	
WMAE-TV D9 DT LIC 185.3	11,642	100.6 3,919	
WJHL-TV D9 DT LIC 125.9	6,415	53.1 2,060	
WXIA-TV D10 DT LIC 14.1	1,480	1.0 15	
WBIR-TV D10 DT LIC 149.2	7,262	92.5 4,474	
WSMV-TV D10 DT LIC 1.0	0	0.0 0	

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Interference to BLCDT20090914ABU LIC scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	WTVG	D9	DT	LIC	CHATTANOOGA, TN	BLCDT20090914ABU			
Undesireds:	W09DM-D	D9	LD	APP	Nashville, TN		173.6 km		
	WDEF-TV	D8	DT	LIC	CHATTANOOGA, TN	BLANK0000139132	2.9		
	WGWW	D9	DT	LIC	ANNISTON, AL	BLCDT20050222ACG	200.0		
	WMUM-TV	D9	DT	LIC	COCHRAN, GA	BLANK0000124672	354.6		
	WNIN	D9	DT	LIC	EVANSVILLE, IN	BLANK0000138090	358.9		
	WMAE-TV	D9	DT	LIC	BOONEVILLE, MS	BLANK0000117125	317.7		
	WJHL-TV	D9	DT	LIC	JOHNSON CITY, TN	BLANK0000116747	319.6		
	WXIA-TV	D10	DT	LIC	ATLANTA, GA	BLANK0000152840	180.3		
	WBIR-TV	D10	DT	LIC	KNOXVILLE, TN	BLCDT20090619ADG	156.0		
	WSMV-TV	D10	DT	LIC	NASHVILLE, TN	BLCDT20021029AAV	177.2		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
33483.7	1,580,374	27988.7	1,350,436	26985.8	1,296,919	26972.8	1,296,737	0.05	0.01
Undesired				Total IX		Unique IX, before		Unique IX, after	
W09DM-D	D9	LD	APP	52.0	1,427	13.0	182		
WDEF-TV	D8	DT	LIC	26.0	551	26.0	551		
WGWW	D9	DT	LIC	584.6	33,910	468.5	24,000	467.5	23,979
WMUM-TV	D9	DT	LIC	77.4	5,437	36.2	765	36.2	765
WNIN	D9	DT	LIC	33.2	1,288	22.2	958	9.1	415
WMAE-TV	D9	DT	LIC	185.3	11,642	107.6	5,715	99.7	5,378
WJHL-TV	D9	DT	LIC	125.9	6,415	59.1	2,719	59.1	2,719
WXIA-TV	D10	DT	LIC	14.1	1,480	1.0	15	1.0	15
WBIR-TV	D10	DT	LIC	149.2	7,262	92.5	4,474	92.5	4,474
WSMV-TV	D10	DT	LIC	1.0	0	0.0	0	0.0	0

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Interference to BLCDT20090914ABU LIC scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WTVG	D9	DT	LIC	CHATTANOOGA, TN	BLCDT20090914ABU	
Undesireds:	W09DM-D	D9	LD	APP	Nashville, TN		173.6 km

WDEF-TV	D8	DT	LIC	CHATTANOOGA, TN	BLANK00000139132	2.9
WGWW	D9	DT	LIC	ANNISTON, AL	BLCDT20050222ACG	200.0
WMUM-TV	D9	DT	LIC	COCHRAN, GA	BLANK00000124672	354.6
WNIN	D9	DT	LIC	EVANSVILLE, IN	BLANK00000138090	358.9
WMAE-TV	D9	DT	LIC	BOONEVILLE, MS	BLANK00000117125	317.7
WJHL-TV	D9	DT	LIC	JOHNSON CITY, TN	BLANK00000116747	319.6
WXIA-TV	D10	DT	LIC	ATLANTA, GA	BLCDT20040302AAO	180.3
WBIR-TV	D10	DT	LIC	KNOXVILLE, TN	BLCDT20090619ADG	156.0
WSMV-TV	D10	DT	LIC	NASHVILLE, TN	BLCDT20021029AAV	177.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
33483.7	1,580,374	27988.7	1,350,436	26985.8	1,296,919	26972.8	1,296,737	0.05	0.01

Undesired		Total IX		Unique IX, before		Unique IX, after	
W09DM-D	D9 LD APP	52.0	1,427			13.0	182
WDEF-TV	D8 DT LIC	26.0	551	26.0	551	26.0	551
WGWW	D9 DT LIC	584.6	33,910	468.5	24,000	467.5	23,979
WMUM-TV	D9 DT LIC	77.4	5,437	36.2	765	36.2	765
WNIN	D9 DT LIC	33.2	1,288	22.2	958	9.1	415
WMAE-TV	D9 DT LIC	185.3	11,642	107.6	5,715	99.7	5,378
WJHL-TV	D9 DT LIC	125.9	6,415	59.1	2,719	59.1	2,719
WXIA-TV	D10 DT LIC	14.1	1,480	1.0	15	1.0	15
WBIR-TV	D10 DT LIC	149.2	7,262	92.5	4,474	92.5	4,474
WSMV-TV	D10 DT LIC	1.0	0	0.0	0	0.0	0

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Interference to BLANK0000035651 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WTVG	D9	DT	CP	CHATTANOOGA, TN	BLANK0000035651	
Undesireds:	W09DM-D	D9	LD	APP	Nashville, TN		173.6 km
	WDEF-TV	D8	DT	LIC	CHATTANOOGA, TN	BLANK00000139132	2.9
	WGWW	D9	DT	CP	ANNISTON, AL	BLANK0000036011	200.0
	WMUM-TV	D9	DT	LIC	COCHRAN, GA	BLANK00000124672	354.6
	WNIN	D9	DT	LIC	EVANSVILLE, IN	BLANK00000138090	358.9
	WMAE-TV	D9	DT	LIC	BOONEVILLE, MS	BLANK00000117125	317.7
	WJHL-TV	D9	DT	LIC	JOHNSON CITY, TN	BLANK00000116747	319.6

WXIA-TV	D10	DT	LIC	ATLANTA, GA	BLANK0000152840	180.3
WBIR-TV	D10	DT	LIC	KNOXVILLE, TN	BLCDT20090619ADG	156.0
WSMV-TV	D10	DT	LIC	NASHVILLE, TN	BLCDT20021029AAV	177.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
37485.1 1,732,204	31949.8 1,504,697	30627.0 1,435,066	30601.0 1,433,987	0.08 0.08

Undesired	Total IX	Unique IX, before	Unique IX, after
W09DM-D D9 LD APP	107.0 3,140	26.0 1,079	
WDEF-TV D8 DT LIC	5.0 40	5.0 40	
WGWW D9 DT CP	739.4 37,533	598.3 27,840	
WMUM-TV D9 DT LIC	130.9 12,970	60.4 4,538	
WNIN D9 DT LIC	88.5 2,236	28.3 357	
WMAE-TV D9 DT LIC	258.8 12,671	144.4 7,718	
WJHL-TV D9 DT LIC	154.7 8,598	80.1 3,849	
WXIA-TV D10 DT LIC	34.2 3,354	5.0 162	
WBIR-TV D10 DT LIC	172.0 10,407	104.5 5,759	
WSMV-TV D10 DT LIC	4.0 151	2.0 0	

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Interference to BLANK0000035651 CP scenario 2

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WTVN	D9	DT	CP	CHATTANOOGA, TN	BLANK0000035651	
Undesireds: W09DM-D	D9	LD	APP	Nashville, TN		173.6 km
WDEF-TV	D8	DT	LIC	CHATTANOOGA, TN	BLANK0000139132	2.9
WGWW	D9	DT	CP	ANNISTON, AL	BLANK0000036011	200.0
WMUM-TV	D9	DT	LIC	COCHRAN, GA	BLANK0000124672	354.6
WNIN	D9	DT	LIC	EVANSVILLE, IN	BLANK0000138090	358.9
WMAE-TV	D9	DT	LIC	BOONEVILLE, MS	BLANK0000117125	317.7
WJHL-TV	D9	DT	LIC	JOHNSON CITY, TN	BLANK0000116747	319.6
WXIA-TV	D10	DT	LIC	ATLANTA, GA	BLCDT20040302AAO	180.3
WBIR-TV	D10	DT	LIC	KNOXVILLE, TN	BLCDT20090619ADG	156.0
WSMV-TV	D10	DT	LIC	NASHVILLE, TN	BLCDT20021029AAV	177.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
37485.1 1,732,204	31949.8 1,504,697	30627.0 1,435,066	30601.0 1,433,987	0.08 0.08

Undesired		Total IX	Unique IX, before		Unique IX, after	
W09DM-D D9 LD APP	107.0	3,140			26.0	1,079
WDEF-TV D8 DT LIC	5.0	40	5.0	40	5.0	40
WGWW D9 DT CP	739.4	37,533	598.3	27,840	597.2	27,840
WMUM-TV D9 DT LIC	130.9	12,970	60.4	4,538	60.4	4,538
WNIN D9 DT LIC	88.5	2,236	54.5	1,314	28.3	357
WMAE-TV D9 DT LIC	258.8	12,671	163.3	8,133	144.4	7,718
WJHL-TV D9 DT LIC	154.7	8,598	80.1	3,849	80.1	3,849
WXIA-TV D10 DT LIC	34.2	3,354	5.0	162	5.0	162
WBIR-TV D10 DT LIC	172.0	10,407	104.5	5,759	104.5	5,759
WSMV-TV D10 DT LIC	4.0	151	3.0	107	2.0	0

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Interference to BLANK0000035651 CP scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTVG	D9	DT	CP	CHATTANOOGA, TN	BLANK0000035651	
Undesireds:	W09DM-D	D9	LD	APP	Nashville, TN		173.6 km
	WDEF-TV	D8	DT	LIC	CHATTANOOGA, TN	BLANK00000139132	2.9
	WGWW	D9	DT	LIC	ANNISTON, AL	BLCDT20050222ACG	200.0
	WMUM-TV	D9	DT	LIC	COCHRAN, GA	BLANK00000124672	354.6
	WNIN	D9	DT	LIC	EVANSVILLE, IN	BLANK00000138090	358.9
	WMAE-TV	D9	DT	LIC	BOONEVILLE, MS	BLANK00000117125	317.7
	WJHL-TV	D9	DT	LIC	JOHNSON CITY, TN	BLANK00000116747	319.6
	WXIA-TV	D10	DT	LIC	ATLANTA, GA	BLANK00000152840	180.3
	WBIR-TV	D10	DT	LIC	KNOXVILLE, TN	BLCDT20090619ADG	156.0
	WSMV-TV	D10	DT	LIC	NASHVILLE, TN	BLCDT20021029AAV	177.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
37485.1	1,732,204	31949.8	1,504,697	30669.2	1,437,048	30642.2	1,435,969	0.09 0.08

Undesired		Total IX	Unique IX, before		Unique IX, after	
W09DM-D D9 LD APP	107.0	3,140			27.0	1,079
WDEF-TV D8 DT LIC	5.0	40	5.0	40	5.0	40
WGWW D9 DT LIC	669.2	34,187	556.1	25,858	556.1	25,858
WMUM-TV D9 DT LIC	130.9	12,970	61.4	4,538	61.4	4,538

WNIN D9 DT LIC	88.5	2,236	60.6	1,484	31.3	400
WMAE-TV D9 DT LIC	258.8	12,671	179.2	9,170	159.4	8,755
WJHL-TV D9 DT LIC	154.7	8,598	83.1	3,945	83.1	3,945
WXIA-TV D10 DT LIC	34.2	3,354	5.0	162	5.0	162
WBIR-TV D10 DT LIC	172.0	10,407	104.5	5,759	104.5	5,759
WSMV-TV D10 DT LIC	4.0	151	3.0	107	2.0	0

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Interference to BLANK0000035651 CP scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WTVG	D9	DT	CP	CHATTANOOGA, TN	BLANK0000035651	
Undesireds:	W09DM-D	D9	LD	APP	Nashville, TN		173.6 km
	WDEF-TV	D8	DT	LIC	CHATTANOOGA, TN	BLANK00000139132	2.9
	WGWW	D9	DT	LIC	ANNISTON, AL	BLCDT20050222ACG	200.0
	WMUM-TV	D9	DT	LIC	COCHRAN, GA	BLANK00000124672	354.6
	WNIN	D9	DT	LIC	EVANSVILLE, IN	BLANK00000138090	358.9
	WMAE-TV	D9	DT	LIC	BOONEVILLE, MS	BLANK00000117125	317.7
	WJHL-TV	D9	DT	LIC	JOHNSON CITY, TN	BLANK00000116747	319.6
	WXIA-TV	D10	DT	LIC	ATLANTA, GA	BLCDT20040302AAO	180.3
	WBIR-TV	D10	DT	LIC	KNOXVILLE, TN	BLCDT20090619ADG	156.0
	WSMV-TV	D10	DT	LIC	NASHVILLE, TN	BLCDT20021029AAV	177.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
37485.1 1,732,204	31949.8 1,504,697	30669.2 1,437,048	30642.2 1,435,969	0.09 0.08

Undesired	Total IX	Unique IX, before	Unique IX, after
W09DM-D D9 LD APP 107.0	3,140	27.0	1,079
WDEF-TV D8 DT LIC 5.0	40	5.0	40
WGWW D9 DT LIC 669.2	34,187	556.1	25,858
WMUM-TV D9 DT LIC 130.9	12,970	61.4	4,538
WNIN D9 DT LIC 88.5	2,236	60.6	1,484
WMAE-TV D9 DT LIC 258.8	12,671	179.2	9,170
WJHL-TV D9 DT LIC 154.7	8,598	83.1	3,945
WXIA-TV D10 DT LIC 34.2	3,354	5.0	162
WBIR-TV D10 DT LIC 172.0	10,407	104.5	5,759
WSMV-TV D10 DT LIC 4.0	151	3.0	107

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Interference to proposal scenario 1  
16.75% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W09DM-D	D9	LD	APP	Nashville, TN		
Undesireds:	WGWW	D9	DT	CP	ANNISTON, AL	BLANK0000036011	287.6 km
	WNIN	D9	DT	LIC	EVANSVILLE, IN	BLANK0000138090	205.5
	WTVG	D9	DT	LIC	CHATTANOOGA, TN	BLCDT20090914ABU	173.6
	WSMV-TV	D10	DT	LIC	NASHVILLE, TN	BLCDT20021029AAV	8.8

	Service area		Terrain-limited		IX-free		Percent IX
5019.1	1,086,930	4887.0	1,073,572	3706.0	893,767	24.17	16.75

Undesired	Total IX	Unique IX	Prcnt Unique IX
WNIN D9 DT LIC 4.0 186 0.0 0	0.00	0.00	
WTVG D9 DT LIC 11.1 600 1.0 0	0.02	0.00	
WSMV-TV D10 DT LIC 1179.9 179,805 1167.8 179,071	23.90	16.68	

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Interference to proposal scenario 2  
16.75% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W09DM-D	D9	LD	APP	Nashville, TN		
Undesireds:	WGWW	D9	DT	CP	ANNISTON, AL	BLANK0000036011	287.6 km
	WNIN	D9	DT	LIC	EVANSVILLE, IN	BLANK0000138090	205.5
	WTVG	D9	DT	CP	CHATTANOOGA, TN	BLANK0000035651	173.6
	WSMV-TV	D10	DT	LIC	NASHVILLE, TN	BLCDT20021029AAV	8.8

	Service area		Terrain-limited		IX-free		Percent IX
5019.1	1,086,930	4887.0	1,073,572	3702.0	893,717	24.25	16.75

Undesired	Total IX	Unique IX	Prcnt Unique IX
WNIN D9 DT LIC 4.0 186 0.0 0	0.00	0.00	

WTVC D9 DT CP	34.2	1,019	5.0	50	0.10	0.00
WSMV-TV D10 DT LIC	1179.9	179,805	1150.7	178,836	23.55	16.66