



**STATEMENT OF JOHN E. HIDLE, P.E.  
IN SUPPORT OF A REQUEST FOR STA  
CONCERNING PRE REPACK OPERATIONS  
ON CHANNEL 11  
WLUK-TV - GREEN BAY, WISCONSIN  
DTV - CH. 11 - 40 kW - 384 m HAAT**

Prepared for: WLUK LICENSEE, LLC

I am a Consulting Engineer, an employee in the firm of Carl T. Jones Corporation, with offices located in Springfield, Virginia. My education and experience are a matter of record with the Federal Communications Commission. I am a Licensed Professional Engineer in the Commonwealth of Virginia, No. 7418, and in New York State, No. 63418.

**GENERAL**

This office has been authorized by WLUK LICENSEE, LLC, licensee of WLUK-TV channel 11, facility ID number 4150, licensed to Green Bay, Wisconsin, to prepare this statement in support of a legal STA, to accept a limited level of interference to its viewer population during the time between the transition of WISC-TV from channel 50 to channel 11 and the Phase 9 transition of WLUK-TV from channel 11 to channel 12. During this time period WLUK-TV will not alter its licensed operation on channel 11, but will accept the limited interference to its viewer population as described in an **“INTERFERENCE ACCEPTANCE & CONSENT AGREEMENT”** incorporated elsewhere in this request.

***Pre-Transition DTV Considerations***

A study was performed, using the FCC's software, *tvstudy*, v. 2.2.5, to determine the level of predicted interference that WLUK-TV agrees to accept during the time period

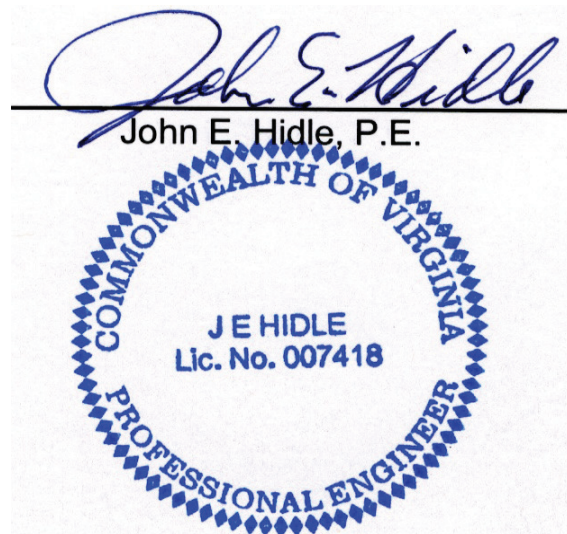
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between transition phases. The study results, attached, indicate that WLUK-TV will accept interference from WISC-TV, channel 11 to 3.76% of its predicted pre transition population, while WISC-TV agrees to accept interference from WLUK-TV's licensed pre transition operation on channel 11 to 3.74% of its post transition 10 kW STA population. Once WLUK-TV transitions during phase 9 to its post transition channel 12 WISC-TV will be allowed to implement its post transition construction permit on channel 11.

**SUMMARY**

It is submitted that the instant request for STA to accept interference to a limited percentage of its viewer population during the time period between WISC-TV's transition to channel 11 and WLUK-TV's transition to channel 12 in phase 9 of the post repack schedule will serve the public interest, and, as described herein, complies with the Rules, Regulations and relevant Policies of the Federal Communications Commission. This statement and the attached exhibits were prepared by me or under my direct supervision and are believed to be true and correct to the best of my knowledge and belief.

DATED: January 9, 2019





# **WLUK-TV - GREEN BAY, WISCONSIN** **Longley-Rice Interference Analysis** **Channel 11 - 40 kW - 386 meters HAAT** **January 2019**

tvstudy v2.2.5 (4uoc83)  
 Database: localhost, Study: WLUK w USR747 WISC STA, Model: Longley-Rice  
 Start: 2018.07.18 09:58:28

Study created: 2018.07.18 09:58:28

Study build station data: LMS TV 2018-07-16

Proposal: WLUK-TV D11 DT LIC GREEN BAY, WI  
 File number: BLCDT20110818ACB  
 Facility ID: 4150  
 Station data: LMS TV 2018-07-16  
 Record ID: eaf8702d391541fa8f5fcf6212b6c0ea  
 Country: U.S.  
 Zone: II

Search options:  
 Non-U.S. records included  
 Baseline record excluded if station has CP

User records included:  
 747 WISC-TV D11 DT STA MADISON, WI WISC 11 STA DA 10p2K 648C

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WLFJ-TV	D11	DT	LIC	LAFAYETTE, IN	BLCDT20040520AIX	460.9 km
Yes	WBKB-TV	D11	DT	LIC	ALPENA, MI	BLCDT20090623AAS	355.3
Yes	WGVU-TV	D11	DT	LIC	GRAND RAPIDS, MI	BLEDT20100827ABE	233.1
No	KARE	D11	DT	LIC	MINNEAPOLIS, MN	BLANK0000001486	412.8
Yes	WISC-TV	D11	DT	APP	MADISON, WI	BLANK0000029886	194.9
Yes	WISC-TV	D11	DT	CP	MADISON, WI	BLANK0000028220	194.9
Yes	WISC-TV	D11	DT	STA	MADISON, WI	WISC 11 STA DA 10p2K 648C	194.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D11  
 Latitude: 44 24 32.00 N (NAD83)  
 Longitude: 87 59 31.00 W  
 Height AMSL: 614.7 m  
 HAAT: 384.0 m  
 Peak ERP: 40.0 kW  
 Antenna: Omnidirectional  
 Elev Pattern: Generic  
 Elec Tilt: 0.75

36.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	40.0 kW	434.8 m	114.7 km
45.0	40.0	382.0	110.0
90.0	40.0	367.3	108.8
135.0	40.0	341.8	106.7

# **Longley-Rice Interference Analysis** **WLUK-TV - Green Bay, Wisconsin** **Channel 11 - 40 kW - Page 2**

180.0	40.0	335.4	106.2
225.0	40.0	387.6	110.4
270.0	40.0	417.3	113.0
315.0	40.0	421.9	113.5

Database HAAT does not agree with computed HAAT  
 Database HAAT: 384 m    Computed HAAT: 386 m

Proposal 21.00 dBu contour does not cross Canadian border  
 Distance to Canadian border: 351.8 km

Distance to Mexican border: 2009.3 km

Conditions at FCC monitoring station: Allegan MI  
 Bearing: 140.0 degrees    Distance: 259.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
 Bearing: 257.5 degrees    Distance: 1490.7 km

Study cell size: 2.00 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 BLCDT20090623AAS LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WBKB-TV	D11	DT	LIC	ALPENA, MI	BLCDT20090623AAS	
Undesireds:	WLUK-TV	D11	DT	LIC	GREEN BAY, WI	BLCDT20110818ACB	355.3 km
	WWUP-TV	D10	DT	APP	SAULT STE. MARIE, MI	BLANK0000035806	157.4
	WGVU-TV	D11	DT	LIC	GRAND RAPIDS, MI	BLEDT20100827ABE	271.5
	WTOL	D11	DT	APP	TOLEDO, OH	BLANK0000035661	337.0
	CFGC-DT	D11	DT	LIC	SUDBURY, ON	BLANKCANADA224	282.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
22096.3		136,823		21436.5    130,625		21072.5    128,459	0.06    0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
WLUK-TV D11 DT LIC		47.9		115		12.0	0
WWUP-TV D10 DT APP		132.1		766		128.1	766
WGVU-TV D11 DT LIC		211.9		1,334		131.9	1,068
WTOL D11 DT APP		48.2		217		4.0	66
CFGC-DT D11 DT LIC		8.0		0		4.0	0

## ----- Interference to BLCDT20090623AAS LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WBKB-TV	D11	DT	LIC	ALPENA, MI	BLCDT20090623AAS	
Undesireds:	WLUK-TV	D11	DT	LIC	GREEN BAY, WI	BLCDT20110818ACB	355.3 km
	WWUP-TV	D10	DT	LIC	SAULT STE. MARIE, MI	BLCDT20100823ABU	157.4
	WGVU-TV	D11	DT	LIC	GRAND RAPIDS, MI	BLEDT20100827ABE	271.5
	WTOL	D11	DT	APP	TOLEDO, OH	BLANK0000035661	337.0
	CFGC-DT	D11	DT	LIC	SUDBURY, ON	BLANKCANADA224	282.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
22096.3		136,823		21436.5    130,625		21168.5    128,863	0.06    0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
WLUK-TV D11 DT LIC		47.9		115		12.0	0

**Longley-Rice Interference Analysis**  
**WLUK-TV - Green Bay, Wisconsin**  
**Channel 11 - 40 kW - Page 3**

WWUP-TV D10 DT LIC	36.0	362	32.0	362	32.0	362
WGVU-TV D11 DT LIC	211.9	1,334	167.8	1,183	131.9	1,068
WTOL D11 DT APP	48.2	217	4.0	66	4.0	66
CFGC-DT D11 DT LIC	8.0	0	4.0	0	4.0	0

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Interference to BLCDT20090623AAS LIC scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WBKB-TV	D11	DT	LIC	ALPENA, MI	BLCDT20090623AAS	
Undesireds:	WLUK-TV	D11	DT	LIC	GREEN BAY, WI	BLCDT20110818ACB	355.3 km
	WWUP-TV	D10	DT	APP	SAULT STE. MARIE, MI	BLANK0000035806	157.4
	WGVU-TV	D11	DT	LIC	GRAND RAPIDS, MI	BLEDT20100827ABE	271.5
	WTOL	D11	DT	LIC	TOLEDO, OH	BLCDT20090622ABU	337.0
	CFGC-DT	D11	DT	LIC	SUDBURY, ON	BLANKCANADA224	282.7
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
22096.3	136,823	21436.5	130,625	21084.4	128,459	21072.5 128,459	0.06 0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
WLUK-TV D11 DT LIC	47.9	115			12.0	0
WWUP-TV D10 DT APP	132.1	766	128.1	766	128.1	766
WGVU-TV D11 DT LIC	211.9	1,334	187.8	1,334	152.0	1,219
WTOL D11 DT LIC	28.1	66	4.0	66	4.0	66
CFGC-DT D11 DT LIC	8.0	0	4.0	0	4.0	0

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Interference to BLCDT20090623AAS LIC scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WBKB-TV	D11	DT	LIC	ALPENA, MI	BLCDT20090623AAS	
Undesireds:	WLUK-TV	D11	DT	LIC	GREEN BAY, WI	BLCDT20110818ACB	355.3 km
	WWUP-TV	D10	DT	LIC	SAULT STE. MARIE, MI	BLCDT20100823ABU	157.4
	WGVU-TV	D11	DT	LIC	GRAND RAPIDS, MI	BLEDT20100827ABE	271.5
	WTOL	D11	DT	LIC	TOLEDO, OH	BLCDT20090622ABU	337.0
	CFGC-DT	D11	DT	LIC	SUDBURY, ON	BLANKCANADA224	282.7
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
22096.3	136,823	21436.5	130,625	21180.5	128,863	21168.5 128,863	0.06 0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
WLUK-TV D11 DT LIC	47.9	115			12.0	0
WWUP-TV D10 DT LIC	36.0	362	32.0	362	32.0	362
WGVU-TV D11 DT LIC	211.9	1,334	187.8	1,334	152.0	1,219
WTOL D11 DT LIC	28.1	66	4.0	66	4.0	66
CFGC-DT D11 DT LIC	8.0	0	4.0	0	4.0	0

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Interference to BLEDT20100827ABE LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WGVU-TV	D11	DT	LIC	GRAND RAPIDS, MI	BLEDT20100827ABE	
Undesireds:	WLUK-TV	D11	DT	LIC	GREEN BAY, WI	BLCDT20110818ACB	233.1 km
	WILX-TV	D10	DT	LIC	ONONDAGA, MI	BLCDT20120404ACG	122.4
	WLFI-TV	D11	DT	LIC	LAFAYETTE, IN	BLCDT20040520AIX	291.9
	WBKB-TV	D11	DT	LIC	ALPENA, MI	BLCDT20090623AAS	271.5
	WTOL	D11	DT	APP	TOLEDO, OH	BLANK0000035661	251.4
	WISC-TV	D11	DT	APP	MADISON, WI	BLANK0000029886	296.0
	WBBM-TV	D12	DT	LIC	CHICAGO, IL	BLCDT20090612ADR	186.6
	WJRT-TV	D12	DT	LIC	FLINT, MI	BLCDT20100503ACT	152.1
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
28211.5	1,870,187	27286.3	1,827,857	26115.2	1,761,342	24941.9 1,754,898	4.49 0.37

Undesired	Total IX		Unique IX, before		Unique IX, after	
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**Longley-Rice Interference Analysis**  
**WLUK-TV - Green Bay, Wisconsin**  
**Channel 11 - 40 kW - Page 4**

WLUK-TV D11 DT LIC	1388.5	11,529			1173.2	6,444
WILX-TV D10 DT LIC	325.2	13,215	108.4	2,588	108.4	2,588
WLFI-TV D11 DT LIC	336.0	26,852	76.0	2,298	76.0	2,298
WBKB-TV D11 DT LIC	131.3	3,325	8.0	160	4.0	115
WTOL D11 DT APP	859.0	55,878	339.0	28,141	323.1	26,818
WISC-TV D11 DT APP	131.8	2,548	87.9	1,796	8.0	250
WJRT-TV D12 DT LIC	4.0	41	0.0	0	0.0	0

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Interference to BLEDT20100827ABE LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WGVU-TV	D11	DT	LIC	GRAND RAPIDS, MI	BLEDT20100827ABE	
Undesireds:	WLUK-TV	D11	DT	LIC	GREEN BAY, WI	BLCDDT20110818ACB	233.1 km
	WILX-TV	D10	DT	LIC	ONONDAGA, MI	BLCDDT20120404ACG	122.4
	WLFI-TV	D11	DT	LIC	LAFAYETTE, IN	BLCDDT20040520AIX	291.9
	WBKB-TV	D11	DT	LIC	ALPENA, MI	BLCDDT20090623AAS	271.5
	WTOL	D11	DT	LIC	TOLEDO, OH	BLCDDT20090622ABU	251.4
	WISC-TV	D11	DT	APP	MADISON, WI	BLANK0000029886	296.0
	WBBM-TV	D12	DT	LIC	CHICAGO, IL	BLCDDT20090612ADR	186.6
	WJRT-TV	D12	DT	LIC	FLINT, MI	BLCDDT20100503ACT	152.1
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	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	28211.5	1,870,187	27286.3	1,827,857	26258.8	1,777,536	25073.6 1,769,843 4.51 0.43

Undesired	Total IX		Unique IX, before		Unique IX, after	
WLUK-TV D11 DT LIC	1388.5	11,529			1185.2	7,693
WILX-TV D10 DT LIC	325.2	13,215	148.6	3,276	148.6	3,276
WLFI-TV D11 DT LIC	336.0	26,852	96.0	2,904	96.0	2,904
WBKB-TV D11 DT LIC	131.3	3,325	19.9	539	4.0	115
WTOL D11 DT LIC	631.2	37,901	195.4	11,947	191.4	11,873
WISC-TV D11 DT APP	131.8	2,548	87.9	1,796	8.0	250
WJRT-TV D12 DT LIC	4.0	41	0.0	0	0.0	0

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Interference to BLEDT20100827ABE LIC scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WGVU-TV	D11	DT	LIC	GRAND RAPIDS, MI	BLEDT20100827ABE	
Undesireds:	WLUK-TV	D11	DT	LIC	GREEN BAY, WI	BLCDDT20110818ACB	233.1 km
	WILX-TV	D10	DT	LIC	ONONDAGA, MI	BLCDDT20120404ACG	122.4
	WLFI-TV	D11	DT	LIC	LAFAYETTE, IN	BLCDDT20040520AIX	291.9
	WBKB-TV	D11	DT	LIC	ALPENA, MI	BLCDDT20090623AAS	271.5
	WTOL	D11	DT	APP	TOLEDO, OH	BLANK0000035661	251.4
	WISC-TV	D11	DT	CP	MADISON, WI	BLANK0000028220	296.0
	WBBM-TV	D12	DT	LIC	CHICAGO, IL	BLCDDT20090612ADR	186.6
	WJRT-TV	D12	DT	LIC	FLINT, MI	BLCDDT20100503ACT	152.1
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	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	28211.5	1,870,187	27286.3	1,827,857	26187.1	1,762,120	24949.9 1,755,148 4.72 0.40

Undesired	Total IX		Unique IX, before		Unique IX, after	
WLUK-TV D11 DT LIC	1388.5	11,529			1237.1	6,972
WILX-TV D10 DT LIC	325.2	13,215	108.4	2,588	108.4	2,588
WLFI-TV D11 DT LIC	336.0	26,852	96.0	2,455	88.0	2,455
WBKB-TV D11 DT LIC	131.3	3,325	8.0	160	4.0	115
WTOL D11 DT APP	859.0	55,878	339.0	28,141	323.1	26,818
WISC-TV D11 DT CP	23.9	1,503	16.0	1,018	0.0	0
WJRT-TV D12 DT LIC	4.0	41	0.0	0	0.0	0

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Interference to BLEDT20100827ABE LIC scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WGVU-TV	D11	DT	LIC	GRAND RAPIDS, MI	BLEDT20100827ABE	

**Longley-Rice Interference Analysis  
WLUK-TV - Green Bay, Wisconsin  
Channel 11 - 40 kW - Page 5**

Undesireds:	WLUK-TV	D11	DT	LIC	GREEN BAY, WI	BLCDT20110818ACB	233.1 km
	WILX-TV	D10	DT	LIC	ONONDAGA, MI	BLCDT20120404ACG	122.4
	WLFI-TV	D11	DT	LIC	LAFAYETTE, IN	BLCDT20040520AIX	291.9
	WBKB-TV	D11	DT	LIC	ALPENA, MI	BLCDT20090623AAS	271.5
	WTOL	D11	DT	APP	TOLEDO, OH	BLANK0000035661	251.4
	WISC-TV	D11	DT	STA	MADISON, WI	WISC 11 STA DA 10p2K 6	296.0
	WBBM-TV	D12	DT	LIC	CHICAGO, IL	BLCDT20090612ADR	186.6
	WJRT-TV	D12	DT	LIC	FLINT, MI	BLCDT20100503ACT	152.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
28211.5 1,870,187	27286.3 1,827,857	26191.1 1,762,158	24949.9 1,755,148	4.74 0.40

Undesired	Total IX	Unique IX, before	Unique IX, after
WLUK-TV D11 DT LIC	1388.5 11,529		1241.2 7,010
WILX-TV D10 DT LIC	325.2 13,215	108.4 2,588	108.4 2,588
WLFI-TV D11 DT LIC	336.0 26,852	96.0 2,455	88.0 2,455
WBKB-TV D11 DT LIC	131.3 3,325	8.0 160	4.0 115
WTOL D11 DT APP	859.0 55,878	339.0 28,141	323.1 26,818
WISC-TV D11 DT STA	19.9 1,465	11.9 980	0.0 0
WJRT-TV D12 DT LIC	4.0 41	0.0 0	0.0 0

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Interference to BLEDT20100827ABE LIC scenario 5

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WGVU-TV	D11	DT	LIC	GRAND RAPIDS, MI	BLEDT20100827ABE	
Undesireds:	WLUK-TV	D11	DT	LIC	GREEN BAY, WI	BLCDT20110818ACB	233.1 km
	WILX-TV	D10	DT	LIC	ONONDAGA, MI	BLCDT20120404ACG	122.4
	WLFI-TV	D11	DT	LIC	LAFAYETTE, IN	BLCDT20040520AIX	291.9
	WBKB-TV	D11	DT	LIC	ALPENA, MI	BLCDT20090623AAS	271.5
	WTOL	D11	DT	LIC	TOLEDO, OH	BLCDT20090622ABU	251.4
	WISC-TV	D11	DT	CP	MADISON, WI	BLANK0000028220	296.0
	WBBM-TV	D12	DT	LIC	CHICAGO, IL	BLCDT20090612ADR	186.6
	WJRT-TV	D12	DT	LIC	FLINT, MI	BLCDT20100503ACT	152.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
28211.5 1,870,187	27286.3 1,827,857	26330.7 1,778,314	25081.6 1,770,093	4.74 0.46

Undesired	Total IX	Unique IX, before	Unique IX, after
WLUK-TV D11 DT LIC	1388.5 11,529		1249.1 8,221
WILX-TV D10 DT LIC	325.2 13,215	148.6 3,276	148.6 3,276
WLFI-TV D11 DT LIC	336.0 26,852	128.0 3,171	108.0 3,061
WBKB-TV D11 DT LIC	131.3 3,325	19.9 539	4.0 115
WTOL D11 DT LIC	631.2 37,901	195.4 11,947	191.4 11,873
WISC-TV D11 DT CP	23.9 1,503	16.0 1,018	0.0 0
WJRT-TV D12 DT LIC	4.0 41	0.0 0	0.0 0

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Interference to BLEDT20100827ABE LIC scenario 6

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WGVU-TV	D11	DT	LIC	GRAND RAPIDS, MI	BLEDT20100827ABE	
Undesireds:	WLUK-TV	D11	DT	LIC	GREEN BAY, WI	BLCDT20110818ACB	233.1 km
	WILX-TV	D10	DT	LIC	ONONDAGA, MI	BLCDT20120404ACG	122.4
	WLFI-TV	D11	DT	LIC	LAFAYETTE, IN	BLCDT20040520AIX	291.9
	WBKB-TV	D11	DT	LIC	ALPENA, MI	BLCDT20090623AAS	271.5
	WTOL	D11	DT	LIC	TOLEDO, OH	BLCDT20090622ABU	251.4
	WISC-TV	D11	DT	STA	MADISON, WI	WISC 11 STA DA 10p2K 6	296.0
	WBBM-TV	D12	DT	LIC	CHICAGO, IL	BLCDT20090612ADR	186.6
	WJRT-TV	D12	DT	LIC	FLINT, MI	BLCDT20100503ACT	152.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
28211.5 1,870,187	27286.3 1,827,857	26334.7 1,778,352	25081.6 1,770,093	4.76 0.46

Undesired	Total IX	Unique IX, before	Unique IX, after
WLUK-TV D11 DT LIC	1388.5 11,529		1253.1 8,259

**Longley-Rice Interference Analysis**  
**WLUK-TV - Green Bay, Wisconsin**  
**Channel 11 - 40 kW - Page 6**

WILX-TV D10 DT LIC	325.2	13,215	148.6	3,276	148.6	3,276
WLFI-TV D11 DT LIC	336.0	26,852	128.0	3,171	108.0	3,061
WBKB-TV D11 DT LIC	131.3	3,325	19.9	539	4.0	115
WTOL D11 DT LIC	631.2	37,901	195.4	11,947	191.4	11,873
WISC-TV D11 DT STA	19.9	1,465	11.9	980	0.0	0
WJRT-TV D12 DT LIC	4.0	41	0.0	0	0.0	0

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Interference to BLANK0000029886 APP scenario 1  
\*\*MX: 8.38% interference caused

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WISC-TV	D11	DT	APP	MADISON, WI	BLANK0000029886	
Undesireds:	WLUK-TV	D11	DT	LIC	GREEN BAY, WI	BLCDT20110818ACB	194.9 km
	KDIN-TV	D11	DT	LIC	DES MOINES, IA	BLEDT20090612AIB	362.2
	WLFI-TV	D11	DT	LIC	LAFAYETTE, IN	BLCDT20040520AIX	382.9
	WGVU-TV	D11	DT	LIC	GRAND RAPIDS, MI	BLEDT20100827ABE	296.0
	KARE	D11	DT	LIC	MINNEAPOLIS, MN	BLANK0000001486	364.1
	WBBM-TV	D12	DT	LIC	CHICAGO, IL	BLCDT20090612ADR	203.4
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
44489.3		2,523,168		42199.6		2,317,005	41663.9 2,231,001 37618.0 2,043,937 9.71 8.38
Undesired			Total IX	Unique IX, before		Unique IX, after	
WLUK-TV D11 DT LIC	4501.7		264,493			4045.9	187,064
KDIN-TV D11 DT LIC	88.0		513	84.0		513	36.0 138
WLFI-TV D11 DT LIC	16.0		286	0.0		0	0.0 0
WGVU-TV D11 DT LIC	355.3		84,973	339.3		84,687	35.9 8,437
KARE D11 DT LIC	96.3		518	92.3		518	8.1 0

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Interference to BLANK0000028220 CP scenario 1  
\*\*IX: 5.71% interference caused

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WISC-TV	D11	DT	CP	MADISON, WI	BLANK0000028220	
Undesireds:	WLUK-TV	D11	DT	LIC	GREEN BAY, WI	BLCDT20110818ACB	194.9 km
	KDIN-TV	D11	DT	LIC	DES MOINES, IA	BLEDT20090612AIB	362.2
	WLFI-TV	D11	DT	LIC	LAFAYETTE, IN	BLCDT20040520AIX	382.9
	WGVU-TV	D11	DT	LIC	GRAND RAPIDS, MI	BLEDT20100827ABE	296.0
	KARE	D11	DT	LIC	MINNEAPOLIS, MN	BLANK0000001486	364.1
	WBBM-TV	D12	DT	LIC	CHICAGO, IL	BLCDT20090612ADR	203.4
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
34527.7		1,882,503		33264.0		1,817,415	33028.1 1,795,689 30005.0 1,693,209 9.15 5.71
Undesired			Total IX	Unique IX, before		Unique IX, after	
WLUK-TV D11 DT LIC	3219.0		121,878			3023.1	102,480
KDIN-TV D11 DT LIC	48.1		4,894	48.1		4,894	12.0 85
WLFI-TV D11 DT LIC	8.0		132	0.0		0	0.0 0
WGVU-TV D11 DT LIC	127.8		16,083	119.8		15,951	12.0 2,175
KARE D11 DT LIC	60.1		749	60.1		749	16.0 68

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Interference to WISC 11 STA DA 10p2K 6 STA scenario 1  
\*\*IX: 3.74% interference caused

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WISC-TV	D11	DT	STA	MADISON, WI	WISC 11 STA DA 10p2K 6	
Undesireds:	WLUK-TV	D11	DT	LIC	GREEN BAY, WI	BLCDT20110818ACB	194.9 km
	KDIN-TV	D11	DT	LIC	DES MOINES, IA	BLEDT20090612AIB	362.2
	WLFI-TV	D11	DT	LIC	LAFAYETTE, IN	BLCDT20040520AIX	382.9
	WGVU-TV	D11	DT	LIC	GRAND RAPIDS, MI	BLEDT20100827ABE	296.0
	KARE	D11	DT	LIC	MINNEAPOLIS, MN	BLANK0000001486	364.1

**Longley-Rice Interference Analysis**  
**WLUK-TV - Green Bay, Wisconsin**  
**Channel 11 - 40 kW - Page 7**

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
32178.9 1,676,320	30634.5 1,641,775	30502.4 1,632,482	27881.9 1,571,353	8.59 <u>3.74</u>

Undesired	Total IX	Unique IX, before	Unique IX, after
WLUK-TV D11 DT LIC	2736.5 70,258		2620.4 61,129
KDIN-TV D11 DT LIC	64.1 4,850	64.1 4,850	16.0 164
WLFJ-TV D11 DT LIC	4.0 674	4.0 674	0.0 0
WGVU-TV D11 DT LIC	36.0 3,420	36.0 3,420	0.0 0
KARE D11 DT LIC	28.0 349	28.0 349	0.0 0

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Interference to proposal scenario 1  
4.25% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WLUK-TV	D11	DT	LIC	GREEN BAY, WI	BLCDT20110818ACB	
Undesireds:	WGVU-TV	D11	DT	LIC	GRAND RAPIDS, MI	BLEDT20100827ABE	233.1 km
	WISC-TV	D11	DT	STA	MADISON, WI	WISC 11 STA DA 10p2K 6	194.9

Service area	Terrain-limited	IX-free	Percent IX
38333.5 1,251,563	38067.2 1,247,463	36266.4 1,194,448	4.73 4.25
Undesired	Total IX	Unique IX	Prcnt Unique IX
WGVU-TV D11 DT LIC	234.4 6,098	95.6 2,643	0.25 0.21
WISC-TV D11 DT STA	1705.2 50,372	1566.5 46,917	4.12 <u>3.76</u>

WLUK 11 Licensed with WISC 11 STA as Proposed

WGVU-TV (11)

WISC-TV (11)

4.25% interference received

Interference to proposal scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WLUK-TV	D11	DT LIC	GREEN BAY, WI	BLCDDT20110818ACB	
Undesireds:						
	WGVU-TV	D11	DT LIC	GRAND RAPIDS, MI	BLEDDT20100827ABE	233.1 km
	WISC-TV	D11	DT STA	MADISON, WI	WISC 11 STA DA 10p2K 6	194.9

Service area	Terrain-limited	IX-free	Percent IX
38333.5	1,251,563	38067.2	1,247,463
36266.4	1,194,448	4.73	4.25

Undesired	Total IX	Unique IX	Prcnt Unique IX
WGVU-TV D11 DT LIC	234.4	6,098	95.6
WISC-TV D11 DT STA	1705.2	50,372	1566.5
			2,643
			0.25
			0.21
			4.12
			3.76

