

Note:
Study cell size: 1.00 km
Profile point spacing: 0.10 km

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: W33DG_CH26_Omni_Move_Pre, Model: Longley-Rice
Start: 2019.04.18 18:36:32

Study created: 2019.04.18 18:21:37

Study build station data: LMS TV 2019-04-18

Proposal: W33DG-D D26 LD APP LA CROSSE, WI
File number: W33DG_CH26_Omni_Move
Facility ID: 184328
Station data: User record
Record ID: 870
Country: U.S.

Build options:
Protect pre-transition records not on baseline channel
Protect baseline records from LPTV

Search options:
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K28KK-D	D25	LD	CP	DECORAH, IA	BLANK0000054854	81.8 km
No	KTIN	D25	DT	LIC	FORT DODGE, IA	BLEDT20070822ACB	274.8
No	KWKB	D25	DT	LIC	IOWA CITY, IA	BLCDT20070130AJQ	255.6
No	KJNK-LD	D25	LD	LIC	MINNEAPOLIS, MN	BLDTT20090528ACL	179.8
No	KJNK-LD	D25	LD	CP	MINNEAPOLIS, MN	BLANK0000058597	179.8
No	K25NK-D	D25	LD	CP	ROCHESTER, MN	BLANK0000058282	72.0
No	K25NK-D	D25	LD	LIC	ROCHESTER, MN	BLDTL20120821AAX	72.1
Yes	WQOW	D25	DT	LIC	EAU CLAIRE, WI	BLANK0000059619	86.3
No	W25EY-D	D25	LD	CP	ELK MOUND, WI	BNPDTL20100513AEV	101.3
No	WPNE-TV	D25	DT	LIC	GREEN BAY, WI	BLANK0000055599	277.2
No	WPNE-TV	D25	DT	CP	GREEN BAY, WI	BLANK0000031831	277.2
No	KBBA-LD	D26	LD	CP	CEDAR FALLS, IA	BLANK0000052694	178.4
No	KCYM-LD	D26	LD	CP	FORT DODGE, IA	BLANK0000051607	284.3
No	K26PC-D	D26	LD	CP	OTTUMWA, IA	BNPDTL20101013AAT	358.6
No	K26JI-D	D26	LD	LIC	SIBLEY, IA	BLDTT20101213AAZ	346.7
No	WPVN-CD	D26	DC	CP	CHICAGO, IL	BLANK0000031140	390.4
No	WBBM-TV	D26	LD	LIC	CHICAGO, IL	BLCDT20140305ABH	378.9
No	WRDH-LP	D26	LD	CP	HOLCOMB, IL	BDCCDTL20061030ANL	289.5
No	WMBD-TV	D26	DT	CP	PEORIA, IL	BLANK0000027808	407.7
No	WUEB-LD	D26	LD	CP	ROCKFORD, IL	BLANK0000053006	283.0
No	K26CL-D	D26	LD	LIC	ALEXANDRIA, MN	BLDTL20120313ABG	379.9
No	K26MB-D	D26	LD	CP	BRAINERD, MN	BNPDTL20100609AFM	336.8
No	K26KF-D	D26	LD	LIC	DULUTH, MN	BLDTL20140501AAY	311.5
No	K26KF-D	D26	LD	CP	DULUTH, MN	BPDTL20140623ABU	311.6
No	K26NT-D	D26	LD	LIC	GRANITE FALLS, MN	BLANK0000063066	340.0
Yes	KXLT-TV	D26	DT	LIC	ROCHESTER, MN	BLANK0000063320	96.9
No	K26CS-D	D26	LD	LIC	ST. JAMES, MN	BLDTT20090817ABZ	252.3
No	K26CS-D	D26	LD	CP	ST. JAMES, MN	BLANK0000058899	252.3
No	K26MG-D	D26	LD	CP	WELLS, MN	BNPDTL20100510AJP	189.2
No	K26NU-D	D26	LD	LIC	WILLMAR, MN	BLANK0000060757	312.3
No	KSXC-LD	D26z	LD	LIC	SOUTH SIOUX CITY, NE	BLANK0000058765	429.4
Yes	WKOW	D26	DT	LIC	MADISON, WI	BLCDT20111006AAO	187.4
No	W26ED-D	D26	LD	CP	TOMAHAWK, WI	BNPDTL20100510AFH	214.1
No	W26EE-D	D26	LD	LIC	WITTENBERG, WI	BLDTL20120620ABV	219.5
No	KFXA	D27	DT	LIC	CEDAR RAPIDS, IA	BLCDT20050713ABD	221.2
No	K27KL-D	D27	LD	CP	ST CHARLES, MN	BNPDTL20090825BXS	43.1
No	WHWC-TV	D27	DT	APP	MENOMONIE, WI	BLANK0000035676	118.6
No	WHWC-TV	D27	DT	LIC	MENOMONIE, WI	BLEDT20040824AAF	118.6
No	W27AU-D	D27	LD	LIC	WAUSAU, WI	BLDTL20110315ABH	171.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D26
Mask: Full Service
Latitude: 44 1 24.20 N (NAD83)
Longitude: 91 26 21.20 W
Height AMSL: 310.5 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: Omnidirectional
Elev Pattn: Generic

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	53.1 m	36.7 km
45.0	15.0	83.3	41.7
90.0	15.0	66.5	39.2
135.0	15.0	114.4	45.4
180.0	15.0	-33.7	30.4
225.0	15.0	-9.5	30.4
270.0	15.0	100.1	44.0
315.0	15.0	81.0	41.4

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 57 m

Distance to Canadian border: 447.0 km

Distance to Mexican border: 1811.6 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 107.7 degrees Distance: 470.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 254.0 degrees Distance: 1214.0 km

Study cell size: 1.00 km
Profile point spacing: 0.10 km

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

Interference to BLANK0000059619 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WQOW	D25	DT	LIC	EAU CLAIRE, WI	BLANK0000059619	
Undesireds:	W33DG-D	D26	LD	APP	LA CROSSE, WI	W33DG_CH26_Omni_Move	86.3 km
	WHRM-TV	D24	DT	APP	WAUSAU, WI	BLANK0000035674	140.4
	KTIN	D25	DT	LIC	FORT DODGE, IA	BLEDT20070822ACB	323.1
	KWKB	D25	DT	LIC	IOWA CITY, IA	BLCDT20070130AJQ	341.9
	WPNE-TV	D25	DT	LIC	GREEN BAY, WI	BLANK0000055599	277.5

	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
20011.9	368,326	19412.2	354,614	19364.0	352,822	19360.0	352,725 0.02 0.03

Undesired				Total IX	Unique IX, before	Unique IX, after	
W33DG-D D26 LD APP				4.0	97	4.0	97
KTIN D25 DT LIC				1.0	43	1.0	43
KWKB D25 DT LIC				3.0	6	1.0	0
WPNE-TV D25 DT LIC				46.2	1,749	44.2	1,743

Interference to BLANK0000059619 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WQOW	D25	DT	LIC	EAU CLAIRE, WI	BLANK0000059619	
Undesireds:	W33DG-D	D26	LD	APP	LA CROSSE, WI	W33DG_CH26_Omni_Move	86.3 km

WHRM-TV	D24	DT	APP	WAUSAU, WI	BLANK0000035674	140.4
KTIN	D25	DT	LIC	FORT DODGE, IA	BLEDT20070822ACB	323.1
KWKB	D25	DT	LIC	IOWA CITY, IA	BLCDDT20070130AJQ	341.9
WPNE-TV	D25	DT	CP	GREEN BAY, WI	BLANK0000031831	277.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
20011.9	368,326	19412.2	354,614	19335.9	352,680	19331.9	352,583	0.02	0.03

Undesired	Total IX	Unique IX, before	Unique IX, after
W33DG-D D26 LD APP	4.0 97		4.0 97
KTIN D25 DT LIC	1.0 43	1.0 43	1.0 43
KWKB D25 DT LIC	3.0 6	1.0 0	1.0 0
WPNE-TV D25 DT CP	74.3 1,891	72.3 1,885	72.3 1,885

Interference to BLANK0000063320 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KXLT-TV	D26	DT	LIC	ROCHESTER, MN	BLANK0000063320	
Undesireds:	W33DG-D	D26	LD	APP	LA CROSSE, WI	W33DG_CH26_Omni_Move	96.9 km
	WKOW	D26	DT	LIC	MADISON, WI	BLCDDT20111006AAO	250.4
	WHWC-TV	D27	DT	APP	MENOMONIE, WI	BLANK0000035676	164.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
15077.6	347,499	15026.2	347,388	15012.0	347,302	14995.9	347,273	0.11	0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
W33DG-D D26 LD APP	17.1 29		16.1 29
WKOW D26 DT LIC	14.2 86	14.2 86	13.2 86

Interference to BLCDDT20111006AAO LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WKOW	D26	DT	LIC	MADISON, WI	BLCDDT20111006AAO	
Undesireds:	W33DG-D	D26	LD	APP	LA CROSSE, WI	W33DG_CH26_Omni_Move	187.4 km
	WPNE-TV	D25	DT	LIC	GREEN BAY, WI	BLANK0000055599	194.4
	WPVN-CD	D26	DC	CP	CHICAGO, IL	BLANK0000031140	203.2
	WMBD-TV	D26	DT	CP	PEORIA, IL	BLANK0000027808	269.1
	WCMU-TV	D26	DT	LIC	MOUNT PLEASANT, MI	BLEDT20130710ABN	357.4
	WVTV	D27	DT	CP	MILWAUKEE, WI	BLANK0000034387	132.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
35049.2	1,922,729	34474.3	1,894,019	33821.4	1,800,167	33807.2	1,800,061	0.04	0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
W33DG-D D26 LD APP	17.2 120		14.1 106
WPVN-CD D26 DC CP	233.2 18,041	123.2 4,126	122.2 4,126
WMBD-TV D26 DT CP	127.5 7,846	85.1 4,714	83.1 4,700
WCMU-TV D26 DT LIC	16.1 3,029	1.0 109	1.0 109
WVTV D27 DT CP	406.3 82,655	324.6 69,472	324.6 69,472

Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W33DG-D	D26	LD	APP	LA CROSSE, WI	W33DG_CH26_Omni_Move	
Undesireds:	K25NK-D	D25	LD	CP	ROCHESTER, MN	BLANK0000058282	72.0 km
	K26KF-D	D26	LD	LIC	DULUTH, MN	BLDTL20140501AAY	311.5
	KXLT-TV	D26	DT	LIC	ROCHESTER, MN	BLANK0000063320	96.9
	K26CS-D	D26	LD	LIC	ST. JAMES, MN	BLDTT20090817ABZ	252.3
	WKOW	D26	DT	LIC	MADISON, WI	BLCDDT20111006AAO	187.4
	K27KL-D	D27	LD	CP	ST CHARLES, MN	BNPDTL20090825BXS	43.1
	WHWC-TV	D27	DT	APP	MENOMONIE, WI	BLANK0000035676	118.6

Service area		Terrain-limited		IX-free		Percent IX	
4496.4	188,450	3917.5	171,991	3713.9	171,045	5.20	0.55

Undesired	Total IX	Unique IX	Prcnt Unique IX
KXLT-TV D26 DT LIC	181.5 845	94.8 414	2.42 0.24
WKOW D26 DT LIC	88.7 477	21.2 101	0.54 0.06

K27KL-D D27 LD CP	59.6	415	0.0	0	0.00	0.00
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