INTERFERENCE ANALYSIS FOR PROPOSED WOHW-LD DISPLACEMENT FACILITY (CHANNEL 26)

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: wohw26p2a, Model: Longley-Rice

Study build station data: LMS TV 2019-10-16

    Proposal: WOHW26P2A D26 LD APP LIMA, OH
 File number: wohw26p2a
 Facility ID: 187438
Station data: User record
   Record ID: 4148
     Country: U.S.

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

Search options:
Baseline record excluded if station has CP

Individual records excluded:
20031007AAN   WNHO-LP N26- TX LIC DEFIANCE, OH BLTTL20031007AAN

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WPNM-LP	N18z	TX	LIC	LEIPSIC, OH	BLTTL19990407JA	41.5 km
No	WTTW	D25	DT	CP	CHICAGO, IL	BLANK0000034877	277.8
No	WTTW	D25	DT	APP	CHICAGO, IL	BLANK0000084058	277.8
No	W43DI-D	D25	LD	CP	FORT WAYNE, IN	BLANK0000052700	53.1
No	WRTV	D25	DT	LIC	INDIANAPOLIS, IN	BLCDT20090623ACJ	174.2
No	WCWW-LD	D25	LD	CP	SOUTH BEND, IN	BLANK0000054334	157.0
No	WCWW-LD	D25	LD	LIC	SOUTH BEND, IN	BLDTL20121022ABV	157.0
No	WXYZ-TV	D25	DT	CP	DETROIT, MI	BLANK0000034678	209.5
No	WJGP-LD	D25	LD	CP	KALAMAZOO, MI	BLANK0000054651	153.0
No	WLAJ	D25	DT	LIC	LANSING, MI	BLANK0000055596	172.1
No	WCPX-LP	D25	LD	CP	COLUMBUS, OH	BLANK0000071598	162.0
No	WXCB-CD	D25	DC	CP	DELAWARE, OH	BLANK0000034022	126.1
Yes	W32DS-D	D25	LD	CP	MAPLEWOOD, OH	BLANK0000078087	36.0
No	WPVN-CD	D26	DC	CP	CHICAGO, IL	BLANK0000080446	277.6
No	WBBM-TV	D26	LD	LIC	CHICAGO, IL	BLCDT20140305ABH	289.1
No	WMBD-TV	D26	DT	CP	PEORIA, IL	BLANK0000027808	417.6
No	WCCU	D26	DT	LIC	URBANA, IL	BLCDT20050317ADS	287.7
No	W26DH-D	D26	LD	LIC	AUBURN, IN	BLDTL20091005ABQ	64.4
No	WFIE	D26	DT	CP	EVANSVILLE, IN	BLANK0000034157	416.4
No	NEW	D26	LD	APP	EVANSVILLE, IN	BNPDTL20090825AZW	417.7
No	WISH-TV	D26	LD	APP	INDIANAPOLIS, IN	BLANK0000054863	139.4
No	WKAS	D26	DT	LIC	ASHLAND, KY	BLEDT20020404ABM	316.4
No	WLKY	D26	DT	LIC	LOUISVILLE, KY	BLCDT20030129AFL	297.9
No	WJGP-LD	D26	LD	LIC	KALAMAZOO, MI	BLDTL20091210ADC	153.0
No	WCMU-TV	D26	DT	LIC	MOUNT PLEASANT, MI	BLEDT20130710ABN	324.1
No	WEKA-LD	D26	LD	CP	CANTON, OH	BLANK0000051631	252.6
No	WCPO-TV	D26	DT	CP	CINCINNATI, OH	BLANK0000034668	194.3
No	WCSN-LD	D26	LD	CP	COLUMBUS, OH	BLANK0000053697	163.2
No	WIVD-LD	D26	LD	LIC	NEWCOMERSTOWN, OH	BLANK0000079906	266.7
No	WIVD-LD	D26	LD	CP	NEWCOMERSTOWN, OH	BLANK0000080067	266.7
No	WUPW	D26	DT	CP	TOLEDO, OH	BLANK0000034234	129.3
No	WFXP	D26	DT	LIC	ERIE, PA	BLANK0000081009	398.1
No	WOSC-CD	D26	DC	CP	PITTSBURGH, PA	BLANK0000073057	392.7
No	WOSC-CD	D26	DC	LIC	PITTSBURGH, PA	BLDTA20130115ADH	392.7
No	WKOW	D26	DT	LIC	MADISON, WI	BLCDT20111006AAO	475.4
No	WTSJ-LP	D26	LD	APP	MILWAUKEE, WI	BLANK0000086542	369.0
No	W30DG-D	D26	LD	CP	HUNTINGTON, WV	BLANK0000053620	330.6
No	W30DG-D	D26	LD	APP	HUNTINGTON, WV	BLANK0000086400	330.6
No	WIYE-LD	D26	LD	LIC	PARKERSBURG, WV	BLANK0000079793	307.6
No	WCIU-TV	D27	DT	LIC	CHICAGO, IL	BLCDT20110822ADN	277.8
No	WTTV	D27	DT	CP	BLOOMINGTON, IN	BLANK0000034516	209.9
No	WIPX-TV	D27	DT	LIC	BLOOMINGTON, IN	BLANK0000050610	210.1
No	WSOT-LD	D27	LD	LIC	MARION, IN	BLDTL20111212AGP	90.4
No	WNDU-TV	D27	DT	CP	SOUTH BEND, IN	BLANK0000025267	158.4
No	WFHD-LP	N27z	TX	LIC	ANN ARBOR, MI	BLTT20000925AAY	171.3
No	WADL	D27	DT	CP	MOUNT CLEMENS, MI	BLANK0000027047	234.2
No	WTTE	D27	DT	CP	COLUMBUS, OH	BLANK0000034206	168.5
No	WPNM-LP	D27z	LD	CP	LEIPSIC, OH	BLANK0000054500	64.2

No non-directional AM stations found within 0.8 km

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No directional AM stations found within 3.2 km

Record parameters as studied:

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    Channel: D26
       Mask: Stringent
   Latitude:  40 52 20.00 N (NAD83)
  Longitude:  84 35 16.00 W
Height AMSL: 279.0 m
       HAAT: 41.0 m
   Peak ERP: 0.500 kW
    Antenna: Omnidirectional
Elev Pattrn: Generic
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50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.500 kW	51.1 m	19.9 km
45.0	0.500	51.8	20.0
90.0	0.500	43.1	18.0
135.0	0.500	36.9	16.4
180.0	0.500	32.3	15.1
225.0	0.500	33.6	15.4
270.0	0.500	36.2	16.2
315.0	0.500	45.8	18.6

Proposal 24.95 dBu contour does not cross Canadian border
Distance to Canadian border: 167.9 km

Distance to Mexican border: 1954.6 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 330.0 degrees Distance: 223.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 274.1 degrees Distance: 1741.7 km

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 BLANK0000078087 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32DS-D	D25	LD	CP	MAPLEWOOD, OH	BLANK0000078087	
Undesireds:	WOHW26P2A	D26	LD	APP	LIMA, OH	wohw26p2a	36.0 km
	WTTW	D25	DT	CP	CHICAGO, IL	BLANK0000034877	299.5
	WRTV	D25	DT	LIC	INDIANAPOLIS, IN	BLCDT20090623ACJ	160.3
	WCWW-LD	D25	LD	CP	SOUTH BEND, IN	BLANK0000054334	182.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
4482.0	236,623	4482.0	236,623	4468.1	235,569	4460.1	232,367	0.18	1.36

Undesired	Total IX		Unique IX, before		Unique IX, after	
WOHW26P2A D26 LD APP	7.9	3,202			7.9	3,202
WRTV D25 DT LIC	14.0	1,054	14.0	1,054	14.0	1,054

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WOHW26P2A	D26	LD	APP	LIMA, OH	wohw26p2a	
Undesireds:	WIVD-LD	D26	LD	LIC	NEWCOMERSTOWN, OH	BLANK0000079906	266.7 km

Service area		Terrain-limited		IX-free		Percent IX	
967.4	23,983	967.4	23,983	967.4	23,983	0.00	0.00
