

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: WFFC(25)-STA\_ASR1266818 #4257, Model: Longley-Rice

Start: 2019.06.06 17:03:44

Study created: 2019.06.06 17:03:44

Study build station data: LMS TV 2019-06-06

Proposal: WFFC-LD D25 LD APP MIDLAND, MI

File number: WFFC(25)-STA\_ASR1266818

Facility ID: 184493

Station data: User record

Record ID: 2038

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Search options:

Non-U.S. records included

All post-transition APP, CP, and baseline records excluded

All records for new LPTV stations excluded

Individual records excluded:

0000013388 WFFC-LD D25 LD LIC MIDLAND, MI BLANK0000013388

Stations potentially affected by proposal:

IX	Call	Chan	Svc Status	City, State	File Number	Distance
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No	WKNX-LP	N22z	TX LIC	PINCONNING, MI	BLTTL20030714AEI	34.6 km
No	WPTA	D24	DT LIC	FORT WAYNE, IN	BLANK0000068624	274.9
No	WCML	D24	DT LIC	ALPENA, MI	BLEDT20110707ABQ	194.9
No	WTLJ	D24	DT LIC	MUSKEGON, MI	BLANK0000001674	167.5
No	W24DL-D	D24	LD LIC	SAGINAW, MI	BLDTL20120905AAM	32.9
No	W25DW-D	D25	LD LIC	ARBURY HILLS, IL	BLDTL20110224ACQ	345.6
No	W43DI-D	D25	LD CP	FORT WAYNE, IN	BLANK0000052700	274.0
No	WRTV	D25	DT LIC	INDIANAPOLIS, IN	BLCDT20090623ACJ	431.9
No	WCWW-LD	D25	LD CP	SOUTH BEND, IN	BLANK0000054334	270.8
No	WCWW-LD	D25	LD LIC	SOUTH BEND, IN	BLDTL20121022ABV	270.8
No	WWTV	D25	LD CP	CADILLAC, MI	BLANK0000052564	206.9
No	WOGC-CD	D25	DC LIC	HOLLAND, MI	BLDTA20120316ADA	176.8
No	WJGP-LD	D25	LD CP	KALAMAZOO, MI	BLANK0000054651	181.8
Yes	WLAJ	D25	DT LIC	LANSING, MI	BLANK0000055596	118.6
No	W25EV-D	D25	LD CP	VANDERBILT, MI	BNPDTL20100223ADJ	209.5
No	WUEK-LD	D25	LD LIC	CANTON, OH	BLANK0000067575	280.4
No	WCPX-LP	D25	LD CP	COLUMBUS, OH	BLANK0000071598	381.6
No	W32DS-D	D25	LD CP	MAPLEWOOD, OH	BLANK0000054368	319.4
No	KDKA-TV	D25	DT LIC	PITTSBURGH, PA	BLCDT20041004ACS	456.0
No	WPNE-TV	D25	DT LIC	GREEN BAY, WI	BLANK0000055599	345.5
No	WTSJ-LP	D25	LD CP	MILWAUKEE, WI	BLANK0000051670	323.9
No	WJGP-LD	D26	LD LIC	KALAMAZOO, MI	BLDTL20091210ADC	181.8
No	WCMU-TV	D26	DT LIC	MOUNT PLEASANT, MI	BLEDT20130710ABN	111.2
No	WBWM-LP	N32z	TX LIC	MOUNT PLEASANT, MI	BLTTL20001220ABG	71.6
No	CBLFT-DT	D25	DT LIC	TORONTO, ON	BLANKCANADA235	366.7
No	CKCO-TV-3	D26	DT LIC	SARNIA, ON	BLANKCANADA216	163.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D25

Mask: Full Service

Latitude: 43 23 33.00 N (NAD83)

Longitude: 83 55 27.10 W

Height AMSL: 284.1 m

HAAT: 0.0 m

Peak ERP: 0.500 kW

Antenna: Omnidirectional

Elev Pattn: Generic

Elec Tilt: 0.75

49.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.500 kW	105.5 m	27.3 km
45.0	0.500	103.3	27.1
90.0	0.500	94.7	26.2
135.0	0.500	98.0	26.6
180.0	0.500	100.1	26.8
225.0	0.500	105.9	27.4
270.0	0.500	104.1	27.2
315.0	0.500	95.3	26.2

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 101 m

Proposal 24.85 dBu contour does not cross Canadian border

Distance to Canadian border: 129.2 km

Distance to Mexican border: 2165.2 km

Conditions at FCC monitoring station: Allegan MI

Bearing: 242.8 degrees Distance: 186.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 265.7 degrees Distance: 1796.9 km

Study cell size: 0.50 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%

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Interference to BLANK0000055596 LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WLAJ	D25	DT LIC	LANSING, MI	BLANK0000055596	
Undesireds:	WFFC-LD	D25	LD APP	MIDLAND, MI	WFFC(25)-STA_ASR126681	118.6 km
	WPTA	D24	DT LIC	FORT WAYNE, IN	BLANK0000068624	156.4

WTLJ	D24	DT LIC	MUSKEGON, MI	BLANK0000001674	127.4
WRTV	D25	DT LIC	INDIANAPOLIS, IN	BLCDDT20090623ACJ	313.4
WOGC-CD	D25	DC LIC	HOLLAND, MI	BLDTA20120316ADA	125.1
WPNE-TV	D25	DT LIC	GREEN BAY, WI	BLANK00000055599	357.4

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
23453.2	1,866,168	23351.4	1,860,972	23232.8
1,855,572	22811.2	1,847,790	1.81	0.42

Undesired	Total IX	Unique IX, before	Unique IX, after
WFFC-LD D25 LD APP	421.6	7,782	421.6 7,782
WPTA D24 DT LIC	0.5	0 0.0 0 0.0 0	
WTLJ D24 DT LIC	71.1	4,215 66.9 4,063 66.9 4,063	
WRTV D25 DT LIC	46.3	745 45.5 745 45.5 745	
WOGC-CD D25 DC LIC	0.7	393 0.5 393 0.5 393	
WPNE-TV D25 DT LIC	4.9	199 1.0 47 1.0 47	

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Interference to proposal scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFFC-LD	D25	LD APP	MIDLAND, MI	WFFC(25)-STA_ASR126681	

Undesireds:	WCWW-LD	D25	LD CP	SOUTH BEND, IN	BLANK00000054334	270.8 km
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Service area	Terrain-limited	IX-free	Percent IX
2269.6	276,501	2269.6	276,501
0.00	0.00		