

Study created: 2020.06.25 15:14:11 JMc

Study build station data: LMS TV 2020-06-25

Proposal: WDW0-CD D22 DC LIC DETROIT, MI
File number: BLANK0000074926
Facility ID: 68444
Station data: User record
Record ID: 931
Country: U.S.

Build options:
Protect LPTV records from Class A

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	W21DJ-D	D21	LD	CP	FORT WAYNE, IN	BNPDTL20091228AAU	217.8 km
No	WZPX-TV	D21	DT	LIC	BATTLE CREEK, MI	BLANK0000087609	176.9
No	WWJ-TV	D21	DT	LIC	DETROIT, MI	BLANK00000108051	12.1
No	WQDI-LD	D21	LD	LIC	CLEVELAND, OH	BLANK0000079989	174.3
No	WSEE-TV	D21	DT	LIC	ERIE, PA	BLANK0000074552	271.9
No	WLS-TV	D22	DT	CP	CHICAGO, IL	BLANK0000086908	362.3
No	WLS-TV	D22	DT	BL	CHICAGO, IL	DTVBL73226	362.3
No	W22FH-D	D22	LD	CP	FORT WAYNE, IN	BNPDTL20091218AFM	212.5
No	WXIN	D22	DT	LIC	INDIANAPOLIS, IN	BLANK0000093989	376.3
No	W22DW-D	D22	LD	CP	LAFAYETTE, IN	BLANK0000036239	364.6
No	W22DV-D	D22	LD	CP	MARION, IN	BLANK0000036661	247.4
No	WCVN-TV	D22	DT	LIC	COVINGTON, KY	BLANK0000087399	396.7
Yes	WLLA	D22	DT	CP	KALAMAZOO, MI	BLANK0000034932	176.1
Yes	WLLA	D22	DT	BL	KALAMAZOO, MI	DTVBL11033	176.1
Yes	WKNX-LP	D22z	LD	APP	PINCONNING, MI	BLANK0000071746	118.3
No	WKNX-LP	N22z	TX	LIC	PINCONNING, MI	BLTTL20030714AEI	146.0
No	WPBN-TV	D22	LD	CP	TRAVERSE CITY, MI	BLANK0000094906	278.0
No	W22EL-D	D22	LD	CP	VANDERBILT, MI	BNPDTL20100223ADL	320.7
No	WXXI-TV	D22	DT	LIC	ROCHESTER, NY	BLANK0000086491	472.6
Yes	WVPX-TV	D22	DT	LIC	AKRON, OH	BLANK0000080180	213.3
Yes	WBGU-TV	D22	DT	LIC	BOWLING GREEN, OH	BLANK0000063785	157.6
No	W22DE	N22+	TX	LIC	DAYTON, OH	BLTTL20100511AAU	317.2
No	WOCB-CD	D22	DC	LIC	MARION, OH	BLANK0000072129	242.2
No	WTAE-TV	D22	LD	LIC	PITTSBURGH, PA	BLANK0000088086	359.2
No	WFRV-TV	D22	DT	LIC	GREEN BAY, WI	BLANK0000086896	429.4
No	WSAZ-TV	D22	DT	LIC	HUNTINGTON, WV	BLANK00000100249	451.2
No	WOVA-LD	D22	LD	LIC	PARKERSBURG, WV	BLDTL20120904ABM	377.9
Yes	WBSF	D23	DT	LIC	BAY CITY, MI	BLANK0000078103	88.1
Yes	WUDT-LD	D23	LD	LIC	Detroit, MI	BLANK0000007868	12.1
No	WXMI	D23	LD	LIC	GRAND RAPIDS, MI	BLANK0000090140	152.7
No	WIEK-LD	D23	LD	LIC	MIDLAND, MI	BLANK0000014091	158.9
No	KONV-LD	D23	LD	LIC	CLEVELAND, OH	BLANK0000079956	174.3
Yes	WNWO-TV	D23	DT	CP	TOLEDO, OH	BLANK0000033631	90.8
No	WDMY-LP	D23	LD	CP	TOLEDO, OH	BDISDTL20100303AAB	96.1
Yes	WNWO-TV	D23	DT	BL	TOLEDO, OH	DTVBL73354	90.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D22
Mask: Full Service
Latitude: 42 29 1.00 N (NAD83)
Longitude: 83 18 44.00 W
Height AMSL: 471.5 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 0.50

49.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	198.2 m	51.4 km
45.0	15.0	243.4	53.9
90.0	15.0	267.4	55.3
135.0	15.0	274.2	55.7
180.0	15.0	278.4	56.0
225.0	15.0	259.0	54.8
270.0	15.0	207.3	51.9
315.0	15.0	190.8	50.9

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 240 m

**Proposal 24.56 dBu contour crosses Canadian border, coordination required
Distance to Canadian border: 27.3 km

Distance to Mexican border: 2144.3 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 274.5 degrees Distance: 216.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 269.3 degrees Distance: 1842.3 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%

---- Below is IX received by proposal BLANK0000074926 ----

Proposal receives 0.79% interference from scenario 1
Proposal receives 0.77% interference from scenario 2
No IX check failures found.