

Study created: 2021.04.28 13:26:19

Study build station data: LMS TV 2021-04-02

Proposal: WKNX-LP D22z LD CP PINCONNING, MI  
File number: BLANK0000071746  
Facility ID: 29661  
Station data: User record  
Record ID: 756  
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WZPX-TV	D21	DT	LIC	BATTLE CREEK, MI	BLANK0000087609	172.9 km
No	WWJ-TV	D21	DT	LIC	DETROIT, MI	BLANK0000125983	145.7
No	W21DQ-D	D21	LD	CP	MIDLAND, MI	BDISDTL20130430ACW	60.3
No	WFUP	D21	DT	LIC	VANDERBILT, MI	BLANK0000087814	182.4
No	WRJK-LP	N22-	TX	LIC	ARLINGTON HEIGHTS, IL	BLTT19991020AAO	370.4
No	WLS-TV	D22	DT	CP	CHICAGO, IL	BLANK0000086908	360.7
No	W22FH-D	D22	LD	CP	FORT WAYNE, IN	BNPDTL20091218AFM	299.9
No	WXIN	D22	DT	LIC	INDIANAPOLIS, IN	BLANK0000093989	457.7
No	W22EM-D	D22	LD	CP	CHARLES, MI	BNPDTL20100223ADY	280.3
No	WDWO-CD	D22	DC	CP	DETROIT, MI	BLANK0000127531	137.7
No	WDWO-CD	D22	DC	LIC	DETROIT, MI	BLANK0000074926	137.7
No	WLLA	D22	DT	LIC	KALAMAZOO, MI	BLANK0000122579	172.8
No	W22EB-D	D22	LD	CP	ROSCOMMON, MI	BNPDTL20100223ACX	119.2
No	WPBN-TV	D22	LD	CP	TRAVERSE CITY, MI	BLANK0000094906	159.9
No	W22EL-D	D22	LD	CP	VANDERBILT, MI	BNPDTL20100223ADL	183.2
No	WVPX-TV	D22	DT	LIC	AKRON, OH	BLANK0000080180	345.0
No	WBGU-TV	D22	DT	LIC	BOWLING GREEN, OH	BLANK0000063785	278.2
No	WOCB-CD	D22	DC	LIC	MARION, OH	BLANK0000072129	376.7
No	WFRV-TV	D22	DT	LIC	GREEN BAY, WI	BLANK0000086896	333.7
Yes	WBSF	D23	DT	LIC	BAY CITY, MI	BLANK0000078103	49.7
No	W23EB-D	D23	LD	LIC	CADILLAC, MI	BLDTL20140317ABS	123.9
No	WUDT-LD	D23	LD	LIC	Detroit, MI	BLANK0000007868	145.7
No	WXMI	D23	LD	LIC	GRAND RAPIDS, MI	BLANK0000090140	180.5
No	WNWO-TV	D23	DT	LIC	TOLEDO, OH	BLANK0000123861	224.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D22z  
Mask: Simple  
Latitude: 43 38 23.00 N (NAD83)  
Longitude: 83 55 17.00 W  
Height AMSL: 192.0 m (Adjusted based on actual ground elevation calculation)  
HAAT: 0.0 m  
Peak ERP: 0.300 kW  
Antenna: SCA-CL-1483 (ID 20779) 325.0 deg  
Elev Pattn: Generic

49.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.057 kW	15.0 m	9.0 km
45.0	0.000	15.6	1.9
90.0	0.000	14.9	1.9
135.0	0.000	11.0	1.9
180.0	0.000	13.7	1.9
225.0	0.000	5.9	1.9
270.0	0.001	7.4	3.6
315.0	0.270	6.6	13.1

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 11 m

Proposal 24.56 dBu contour does not cross Canadian border  
Distance to Canadian border: 140.5 km

Distance to Mexican border: 2182.6 km

Conditions at FCC monitoring station: Allegan MI  
Bearing: 235.8 degrees    Distance: 201.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 264.9 degrees    Distance: 1799.3 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 BLANK0000071746 -----

Proposal receives 36.48% interference from scenario 1  
No IX check failures found.