

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: TraverseCity19d2kwincfSam460at290fG3, Model: Longley-Rice

Start: 2022.08.18 08:40:26

Study created: 2022.08.18 08:40:26

Study build station data: LMS TV 2022-08-18

Proposal: W19FB-D D19 LD LIC TRAVERSE CITY, MI

Facility ID: 186365

Station data: User record

Record ID: 2342

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	W30ET-D	N18-	TX	LIC	FLINT, MI	BLTTL19981113JB	154.3 km
No	W18ER-D	D18	LD	LIC	MUSKEGON, MI	BLANK0000068548	162.9
No	WURO-LD	D18	LD	LIC	ROSCOMMON, MI	BLDTL20141113AFT	70.8
No	WEYI-TV	D18	DT	LIC	SAGINAW, MI	BLANK0000185142	201.8
No	WPBN-TV	D18	LD	LIC	TRAVERSE CITY, MI	BLANK0000143297	34.9
No	WLUK-TV	D18	DT	CP	GREEN BAY, WI	BLANK0000150484	215.9
No	WGN-TV	D19	DT	LIC	CHICAGO, IL	BLANK0000189522	361.0
No	WXMI	D19	DT	LIC	GRAND RAPIDS, MI	BLANK0000143294	217.9
No	W19EZ-D	D19	LD	LIC	HOUGHTON LAKE, MI	BLANK0000188890	56.1
No	WZMQ	D19	DT	CP	MARQUETTE, MI	BLANK0000036114	276.7
No	WZMQ	D19	DT	LIC	MARQUETTE, MI	BLCDT20100928AJX	276.7
No	WKYC	D19	DT	LIC	CLEVELAND, OH	BLANK0000087282	465.0
No	WFND-LD	D19	LD	LIC	FINDLAY, OH	BLANK0000055157	414.2
No	WTPX-TV	D19	DT	LIC	ANTIGO, WI	BLANK0000054113	330.2
No	WMTV	D19	DT	LIC	MADISON, WI	BLCDT20100413AAW	380.1
No	WLWK-CD	D19	DC	LIC	STURGEON BAY, WI	BLANK0000072454	166.9
No	W20EV-D	D20	LD	LIC	HOUGHTON LAKE, MI	BLANK0000158719	50.9
No	W20EV-D	D20	LD	CP	HOUGHTON LAKE, MI	BLANK0000197203	42.0
No	WCMW	D20	DT	LIC	MANISTEE, MI	BLANK0000087364	104.8
No	W20DT-D	D20	LD	LIC	VANDERBILT, MI	BLANK0000193050	72.5
No	WUWB-LD	D20	LD	LIC	WEST BRANCH, MI	BLDTL20140708ABB	99.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D19
Mask: Full Service
Latitude: 44 38 23.00 N (NAD83)
Longitude: 85 17 12.60 W
Height AMSL: 324.0 m (Adjusted based on actual ground elevation calculation)
HAAT: 0.0 m
Peak ERP: 2.00 kW
Antenna: SAM-SAM-460 (ID 1004146) 290.0 deg
Elev Pattn: Generic

49.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	33.1 m	2.4 km
45.0	0.000	8.4	2.3
90.0	0.000	-18.4	2.3
135.0	0.000	-22.0	2.3
180.0	0.000	-3.8	2.3
225.0	0.000	-3.2	2.3
270.0	0.952	37.0	20.2
315.0	0.551	36.8	17.6

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 8 m

Proposal 24.25 dBu contour does not cross Canadian border

Distance to Canadian border: 186.4 km

Distance to Mexican border: 2174.9 km

Conditions at FCC monitoring station: Allegan MI

Bearing: 193.6 degrees Distance: 232.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
 Bearing: 260.0 degrees Distance: 1705.9 km

No land mobile station failures found

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%

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Interference to proposal scenario 1
 3.56% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W19FB-D	D19	LD	LIC	TRAVERSE CITY, MI		
Undesireds:	WPBN-TV	D18	LD	LIC	TRAVERSE CITY, MI	BLANK0000143297	34.9 km
	W19EZ-D	D19	LD	LIC	HOUGHTON LAKE, MI	BLANK0000188890	56.1
	WZMQ	D19	DT	CP	MARQUETTE, MI	BLANK0000036114	276.7
	W20EV-D	D20	LD	LIC	HOUGHTON LAKE, MI	BLANK0000158719	50.9

Service area	Terrain-limited	IX-free	Percent IX
292.4 13,831	278.4 13,180	256.4 12,711	7.89 3.56

Undesired	Total IX	Unique IX	Prcnt Unique IX
WPBN-TV D18 LD LIC 2.0 392	2.0 392	0.72 2.97	
W19EZ-D D19 LD LIC 20.0 77	20.0 77	7.17 0.58	