

Interference check study for BLANK0000035794 WGTU D29 DT APP *P TRAVERSE CITY, MI

Study complete

[log.txt](#)

Study created: 2020.02.05 14:47:11

Study build station data: LMS TV live server

Proposal: WGTU D29 DT APP *P TRAVERSE CITY, MI
File number: BLANK0000035794
Facility ID: 59280
Station data: LMS TV live server
Record ID: 25076ff35fd108c0015ffef8efa91c6a
Country: U.S.
Zone: II

Search options:

Non-U.S. records included

Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WSYM-TV	D28	DT	CP	LANSING, MI	BLANK0000026760	255.7 km
Yes	WSBT-TV	D29	DT	LIC	SOUTH BEND, IN	BLANK0000087455	360.3
Yes	WOMS-CD	D29	DC	LIC	MUSKEGON, MI	BLDTA20110812ACT	183.7
Yes	WGTE-TV	D29	DT	LIC	TOLEDO, OH	BLEDT20031110AKO	368.2
Yes	WDJT-TV	D29	DT	LIC	MILWAUKEE, WI	BLANK0000086892	292.5
No	WNEM-TV	D30	DT	CP	BAY CITY, MI	BLANK0000080625	172.4
No	CFMT-DT-1	D29	DT	LIC	LONDON, ON	BLANKCANADA188	358.1
No	CICI-TV-1	D30	DT	LIC	ELLIOT LAKE, ON	BLANKCANADA171	264.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D29
Latitude: 44 44 53.00 N (NAD83)
Longitude: 85 4 8.00 W
Height AMSL: 744.6 m
HAAT: 393.0 m
Peak ERP: 1000 kW
Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 0.75

40.2 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1000 kW	394.4 m	107.4 km
45.0	1000	368.1	105.0
90.0	1000	369.1	105.1
135.0	1000	397.6	107.7
180.0	1000	393.6	107.3
225.0	1000	391.0	107.1
270.0	1000	436.2	111.3
315.0	1000	429.0	110.7

Database HAAT does not agree with computed HAAT

Database HAAT: 393 m Computed HAAT: 397 m

ERP exceeds maximum

ERP: 1000 kW ERP maximum: 888 kW

**Proposal is within coordination distance of Canadian border

Distance to Canadian border: 165.8 km

Distance to Mexican border: 2195.6 km

Conditions at FCC monitoring station: Allegan MI

Bearing: 197.0 degrees Distance: 248.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 259.8 degrees Distance: 1725.0 km

Study cell size: 2.00 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 BLANK0000035794 -----

Proposal receives 1.87% interference from scenario 1

No IX check failures found.

Output files

[tvstudy.txt](#)

[tvixstudy.txt](#)

[tvixcontour.csv](#)

[tvixcontour.kml](#)

[tvstudy_settings.txt](#)

[Main menu](#)