



Kessler and Gehman Associates
Consultants • Broadcast • Wireless

Study created: 2020.08.21 13:04:24

Study build station data: LMS TV 2020-08-20

Proposal: WQAD-TV D31 DT CP MOLINE, IL
File number: BLANK0000034243
Facility ID: 73319
Station data: User record
Record ID: 2482
Country: U.S.
Zone: I

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	KLJB	D30	DT	LIC	DAVENPORT, IA	BLANK0000099537	0.0 km
No	WEIU-TV	D30	DT	LIC	CHARLESTON, IL	BLANK0000093935	261.1
Yes	WNIT	D31	DT	LIC	SOUTH BEND, IN	BLANK0000087078	350.6
No	WVUT	D31	DT	LIC	VINCENNES, IN	BLANK0000087466	385.4
No	KARE	D31	DT	APP	MINNEAPOLIS, MN	BLANK0000116419	472.9
No	KCWE	D31	DT	LIC	KANSAS CITY, MO	BLCDT20051014ABT	429.7
Yes	KDNL-TV	D31	DT	LIC	ST. LOUIS, MO	BLCDT20021216AAE	303.7
No	KMTV-TV	D31	DT	LIC	OMAHA, NE	BLANK0000074904	471.4
Yes	WITI	D31	DT	LIC	MILWAUKEE, WI	BLANK0000086971	284.3
No	WICD	D32	DT	LIC	CHAMPAIGN, IL	BLANK0000059351	249.6
No	WLPD-CD	D32	DC	LIC	PLANO, IL	BLANK0000113895	199.9
No	WTJR	D32	DT	LIC	QUINCY, IL	BLCDT20091110ADL	169.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D31
Latitude: 41 18 44.50 N (NAD83)
Longitude: 90 22 46.20 W
Height AMSL: 554.1 m
HAAT: 328.0 m
Peak ERP: 1000 kW
Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 0.70

40.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1000 kW	339.6 m	102.0 km
45.0	1000	326.7	100.8
90.0	1000	326.0	100.8
135.0	1000	329.3	101.1
180.0	1000	325.6	100.7
225.0	1000	333.2	101.5
270.0	1000	317.9	100.0
315.0	1000	326.0	100.8

Distance to Canadian border: 605.5 km

Distance to Mexican border: 1621.6 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 67.1 degrees Distance: 392.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 269.0 degrees Distance: 1255.5 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%

Proposal causes no interference to BLANK0000087078 LIC

Proposal causes 0.00% interference to BLCDT20021216AAE LIC scenario 1

Proposal causes 0.11% interference to BLANK0000086971 LIC scenario 1

---- Below is IX received by proposal BLANK0000034243 ----

Proposal receives 1.07% interference from scenario 1

No IX check failures found.