



Kessler and Gehman Associates

Consultants • Broadcast • Wireless

Study created: 2020.11.18 08:39:38

Study build station data: LMS TV 2020-11-17

Proposal: WCIX D11 DT LIC SPRINGFIELD, IL

File number: BLANK0000113046

Facility ID: 42116

Station data: User record

Record ID: 2538

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	WAOE	D10	DT	LIC	Pekin, IL	BLANK0000116944	172.8 km
No	WGEM-TV	D10	DT	LIC	QUINCY, IL	BLANK0000105998	156.0
No	WTHI-TV	D10	DT	LIC	TERRE HAUTE, IN	BLCDT20090622ACG	192.5
No	KDIN-TV	D11	DT	LIC	DES MOINES, IA	BLEDT20090612AIB	411.4
Yes	WLFI-TV	D11	DT	LIC	LAFAYETTE, IN	BLCDT20040520AIX	255.5
Yes	WHAS-TV	D11	DT	LIC	LOUISVILLE, KY	BLCDT20100628AWQ	354.3
No	WGVU-TV	D11	DT	LIC	GRAND RAPIDS, MI	BLEDT20100827ABE	463.7
Yes	KFVS-TV	D11	DT	LIC	CAPE GIRARDEAU, MO	BLANK0000115816	262.5
No	WISC-TV	D11	DT	LIC	MADISON, WI	BLANK0000113047	362.9
Yes	WISC-TV	D11	DT	CP	MADISON, WI	BLANK0000118254	362.9
No	KIIN	D12	DT	LIC	IOWA CITY, IA	BLEDT20091229ABP	263.9
No	WEHT	D12	DT	LIC	EVANSVILLE, IN	BLANK0000120480	272.4
No	KRCG	D12	DT	CP	JEFFERSON CITY, MO	BLANK0000035648	253.6
No	KRCG	D12	DT	LIC	JEFFERSON CITY, MO	BLCDT20030709ABP	253.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D11
Latitude: 39 47 27.40 N (NAD83)
Longitude: 89 30 53.00 W
Height AMSL: 349.0 m
HAAT: 173.3 m
Peak ERP: 10.0 kW
Antenna: Omnidirectional
Elev Pattn: Generic

36.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	10.0 kW	175.3 m	84.6 km
45.0	10.0	165.9	83.8
90.0	10.0	169.9	84.2
135.0	10.0	175.3	84.6
180.0	10.0	174.5	84.5
225.0	10.0	178.5	84.8
270.0	10.0	170.8	84.2
315.0	10.0	176.1	84.6

Distance to Canadian border: 588.8 km

Distance to Mexican border: 1552.1 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 42.4 degrees Distance: 431.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 276.8 degrees Distance: 1337.1 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 0.36% interference to BLCDT20040520AIX LIC scenario 2
Proposal causes no interference to BLCDT20100628AWQ LIC
Proposal causes 0.49% interference to BLANK0000115816 LIC scenario 1
Proposal causes 0.00% interference to BLANK0000118254 CP scenario 1

---- Below is IX received by proposal BLANK0000113046 ----

Proposal receives 2.27% interference from scenario 1
Proposal receives 2.62% interference from scenario 2

No IX check failures found.