

WSIO-LD PEORIA IL - FCC TVSTUDY SUMMARY REPORT

PROFILE SPACING OF 0.1 USED/REQUESTED

Proposal: WSIO-LD D19 LD APP PEORIA, IL  
 File number: WSIO-LD CH19 CP APP 218M  
 Facility ID: 1013  
 Station data: User record  
 Record ID: 636  
 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	K18GU-D	D18	LD	LIC	OTTUMWA, IA	BLDTT20091229AES	228.0 km
No	WBXC-CD	D18	DC	LIC	CHAMPAIGN/URBANA, IL	BLANK0000112220	139.8
No	WMEU-CD	D18	DC	LIC	CHICAGO, IL	BLANK0000086889	212.0
No	WMEU-CD	D18	DC	CP	CHICAGO, IL	BLANK0000196962	214.1
No	WSEC	D18	DT	LIC	JACKSONVILLE, IL	BLANK0000150703	130.4
No	WAOE	D18	LD	LIC	OSWEGO, IL	BLANK0000125101	14.3
No	W18CJ	N18-	TX	LIC	QUINCY, IL	BLTTL20011120AAN	164.1
No	DWMBK-LP	D18z	LD	APP	Rochelle, IL	BLANK0000054707	144.9
No	WAWV-TV	D18	DT	LIC	TERRE HAUTE, IN	BLANK0000087258	256.0
No	WMSN-TV	D18	DT	LIC	MADISON, WI	BLANK0000113879	257.5
No	KDMI	D19	DT	LIC	DES MOINES, IA	BLCDDT20120627AAE	350.7
No	KDMI	D19	DT	APP	DES MOINES, IA	BPCDDT20130205AAM	350.7
No	K19KX-D	D19	LD	LIC	KEOKUK, IA	BLANK0000063796	150.6
Yes	WGN-TV	D19	DT	LIC	CHICAGO, IL	BLANK0000189522	212.0
No	W19EE-D	D19	LD	LIC	JACKSONVILLE, IL	BLANK0000195988	107.2
Yes	WGEM-TV	D19	DT	CP	QUINCY, IL	BLANK0000157750	165.6
No	WHBF-TV	D19	LD	CP	ROCK ISLAND, IL	BLANK0000080887	114.0
No	W35DY-D	N19-	TX	LIC	STERLING-DIXON, IL	BLTT20070806AFB	128.7
No	W19EW-D	D19	LD	CP	EVANSVILLE, IN	BNPDDL20090825BAA	356.1
No	WIPB	D19	DT	LIC	MUNCIE, IN	BLANK0000087336	369.4
No	W19FD-D	D19	LD	CP	Terre Haute, IN	BLANK0000190758	256.0
No	W19FD-D	D19	LD	LIC	Terre Haute, IN	BLANK0000186221	256.0
No	WPSD-TV	D19	DT	LIC	PADUCAH, KY	BLANK0000116960	399.0
No	WXMI	D19	DT	LIC	GRAND RAPIDS, MI	BLANK0000143294	406.0
No	KPTN-LD	D19	LD	LIC	ST. LOUIS, MO	BLANK0000124668	247.2
No	WMTV	D19	DT	LIC	MADISON, WI	BLCDDT20100413AAW	257.2
No	K20KF-D	D20	LD	LIC	DAVENPORT, IA	BLDTL20120821AAP	146.4
No	WWME-CD	D20	DC	LIC	CHICAGO, IL	BLANK0000086882	212.0
No	WWME-CD	D20	DC	CP	CHICAGO, IL	BLANK0000196954	214.1
Yes	WAND	D20	DT	LIC	DECATUR, IL	BLANK0000115806	113.0
No	WHA-TV	D20	DT	LIC	MADISON, WI	BLANK0000089074	257.5

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: 40 44 28.15 N (NAD83)  
 Longitude: 89 40 25.38 W  
 Height AMSL: 218.0 m  
 HAAT: 0.0 m  
 Peak ERP: 11.0 kW  
 Antenna: PSI-PSILP12AP (ID 20356) 100.0 deg  
 Elev Pattn: Generic

49.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	7.61 kW	7.1 m	28.0 km
45.0	10.4	28.1	29.4
90.0	5.99	29.6	26.9
135.0	8.26	47.3	33.2
180.0	10.4	28.3	29.4
225.0	2.92	12.5	23.7
270.0	0.919	39.6	20.8
315.0	0.941	25.4	18.4

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 27 m

Distance to Canadian border: 562.7 km  
Distance to Mexican border: 1615.5 km

Conditions at FCC monitoring station: Allegan MI  
Bearing: 54.9 degrees    Distance: 371.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 272.2 degrees    Distance: 1315.3 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%

Proposal causes no interference to BLANK0000189522 LIC

Proposal causes no interference to BLANK0000157750 CP

Proposal causes 0.46% interference to BLANK0000115806 LIC scenario 1

---- Below is IX received by proposal WSI0-LD CH19 CP APP 21 ----

Proposal receives 12.32% interference from scenario 1

No IX check failures found.