

FIGURE 3 FCC TVSTUDY SUMMARY REPORT WSIO-LD MINOR CHANGE APPLICATION

TVSTUDY STUDY PARAMETERS REQUESTED

CELL SIZE 1.0

PROFILE SPACING 0.10

Proposal: WSIO-LD D19 LD APP PEORIA, IL
 File number: WSIO-LD APP CP MOD
 Facility ID: 1013
 Station data: User record
 Record ID: 748
 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	WTVK	D18	LD	LIC	OSWEGO, IL	BLANK0000125101	14.3
No	W27DF-D	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	BLCDT20120627AAE	350.7
No	K19KX-D	D19	LD	LIC	KEOKUK, IA	BLANK0000063796	150.6
Yes	WGN-TV	D19	DT	LIC	CHICAGO, IL	BLANK0000235154	212.0
No	W19EE-D	D19	LD	LIC	JACKSONVILLE, IL	BLANK0000195988	107.2
Yes	WGEM-TV	D19	DT	CP	QUINCY, IL	BLANK0000235415	164.4
No	WHBF-TV	D19	LD	CP	ROCK ISLAND, IL	BLANK0000080887	114.0
No	W19EW-D	D19	LD	LIC	EVANSVILLE, IN	BLANK0000212357	354.3
No	WIPB	D19	DT	LIC	MUNCIE, IN	BLANK0000087336	369.4
No	W19FD-D	D19	LD	LIC	TERRE HAUTE, IN	BLANK0000213529	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	BLCDT20100413AAW	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	BLANK0000203433	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: 226.2 m
 HAAT: 0.0 m
 Peak ERP: 15.0 kW
 Antenna: PSI-PSILP120I (ID 20364) 238.0 deg
 Elev Pattern: Generic

49.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	5.40 kW	15.3 m	26.5 km
45.0	6.67	36.3	29.2
90.0	6.07	37.8	29.2
135.0	5.84	55.5	33.5
180.0	10.3	36.5	31.2
225.0	14.8	20.7	31.0
270.0	13.3	47.8	35.6
315.0	7.88	33.6	29.1

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 35 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 BLANK0000235154 LIC
Proposal causes 0.01% interference to BLANK0000235415 CP scenario 1
Proposal causes 0.44% interference to BLANK0000203433 LIC scenario 1

---- Below is IX received by proposal WSI0-LD APP CP MOD ----

Proposal receives 10.59% interference from scenario 1

No IX check failures found.