

Second Filing Window Expanded Facility Application

In connection with the Broadcast Television Incentive Auction (Auction 1000) the Commission initiated a transition period during which the facilities of broadcast television stations that received new channel assignments in the post-incentive auction repacking process will be reauthorized and relicensed. The first filing window closed on September 15, 2017. This application is filed in accordance with the second filing window, which will close on November 2, 2017.

During the second filing window, any reassigned station or band changing station may file an amendment to its initial construction permit application, if still pending, or a modification to its construction permit, if granted, to seek an alternate channel or expanded facilities from that specified in the *Closing and Channel Reassignment Public Notice*.¹ The instant proposal, a minor change under the Commission's rules, expands the assigned technical facility beyond that applied for in the first filing window.

Post-Transition DTV Considerations

A study was performed using the FCC's software program, *tvstudy*, v.2.2.3, to ensure that the technical facility proposed herein protects the facilities proposed in the first priority filing window, whether those stations' applications have been granted or remain pending while protecting the construction permit facilities of reassigned stations and band changing stations filed in the initial 90-day filing window, whether those

¹ See *Incentive Auction Closing and Channel Reassignment Public Notice: The Broadcast Television Incentive Auction Closes; Reverse Auction and Forward Auction Results Announced; Final Television Band Channel Assignments Announced; Post-Auction Deadlines Announced*, Public Notice, 32 FCC Rcd 2786 (2017) (*Closing and Channel Reassignment Public Notice*).

stations' applications have been granted or remain pending. Further, the instant proposal protects the facilities specified in applications filed before the April 2013 freeze with "cut-off" protection.

As demonstrated in the attached study results, the instant proposal is predicted to cause no new interference exceeding 0.5% to the populations served by any of the relevant protections discussed above. Accordingly, the instant proposal satisfies all applicable DTV interference criteria.

International DTV Considerations

As shown in the attached study, the transmitter site specified herein not within 320 kilometers of either the common border between the United States of America and Canada or between the USA and Mexico. Therefore, international notification and coordination of the instant proposal is not required.

tvstudy v2.2.3 (Dxtpx3)
Database: localhost, Study: WICS-15 OMNI 350K 171019, Model: Longley-Rice
Start: 2017.10.19 12:33:31

Study created: 2017.10.19 12:32:52

Study build station data: LMS TV 2017-10-01 (38)

Proposal: WICS D15 DT APP SPRINGFIELD, IL
File number: WICS-15 OMNI 350K 171019
Facility ID: 25686
Station data: User record
Record ID: 2133
Country: U.S.
Zone: I

Search options:
Non-U.S. records included
Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
KYOU-TV	D15	DT	LIC	OTTUMWA, IA	BLANK0000001581	261.3 km
W15BU-D	D15	DC	LIC	JOHNSON CITY, IL	BLDTA20090804AAF	222.5
WTTK	D15	DT	CP	KOKOMO, IN	BLANK0000024884	278.3
KPOB-TV	D15	DT	LIC	POPLAR BLUFF, MO	BLCDT20090623ABU	344.8
KMOS-TV	D15	DT	LIC	SEDALIA, MO	BLEDT20030108ABK	321.2
WRSP-TV	D16	DT	CP	SPRINGFIELD, IL	BLANK0000027778	1.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D15
Latitude: 39 48 15.00 N (NAD83)
Longitude: 89 27 40.00 W
Height AMSL: 612.0 m
HAAT: 436.0 m
Peak ERP: 350 kW
Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 1.0

38.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	350 kW	430.7 m	103.4 km
45.0	350	430.8	103.4
90.0	350	432.5	103.5
135.0	350	432.8	103.6
180.0	350	438.2	104.0
225.0	350	441.2	104.3
270.0	350	438.8	104.1
315.0	350	439.3	104.1

**Proposal service area extends beyond baseline plus 1.0%
Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 584.1 km

Distance to Mexican border: 1556.5 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 42.1 degrees Distance: 427.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 276.7 degrees Distance: 1341.5 km

No land mobile station failures found

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%

 Interference to BLANK0000001581 LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	KYOU-TV	D15	DT	LIC	OTTUMWA, IA	BLANK0000001581			
Undesireds:	WICS	D15	DT	BL	SPRINGFIELD, IL	DTVBL25686	261.3 km		
	WICS	D15	DT	APP	SPRINGFIELD, IL	WICS-15 OMNI 350K 1710	261.3		
	KMOS-TV	D15	DT	LIC	SEDALIA, MO	BLEDT20030108ABK	295.9		
	WHLA-TV	D15	DT	CP	LA CROSSE, WI	BLANK0000025065	294.1		
	KDSM-TV	D16	DT	LIC	DES MOINES, IA	BLCDT20110609ABE	155.2		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
27299.8		651,334		27223.6		627,805	-0.16 -0.23		
				640,935		26778.3			
Undesired				Total IX	Unique IX, before	Unique IX, after			
WICS D15 DT BL				235.6	8,099	199.6	4,296		
WICS D15 DT APP				191.7	6,686	155.7	2,883		
KMOS-TV D15 DT LIC				80.0	3,882	48.0	213		
WHLA-TV D15 DT CP				36.1	2,201	32.1	2,067		
KDSM-TV D16 DT LIC				173.6	2,751	173.6	2,751		

 Interference to BLDTA20090804AAF LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	W15BU-D	D15	DC	LIC	JOHNSON CITY, IL	BLDTA20090804AAF			
Undesireds:	WICS	D15	DT	BL	SPRINGFIELD, IL	DTVBL25686	222.6 km		
	WICS	D15	DT	APP	SPRINGFIELD, IL	WICS-15 OMNI 350K 1710	222.5		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
5485.7		207,883		5433.9		207,720	0.22 0.03		
				207,720		5422.0			
Undesired				Total IX	Unique IX, before	Unique IX, after			
WICS D15 DT BL				0.0	0	0.0	0		
WICS D15 DT APP				11.9	53	11.9	53		

 Interference to BLANK0000024884 CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	WTTK	D15	DT	CP	KOKOMO, IN	BLANK0000024884			
Undesireds:	WICS	D15	DT	BL	SPRINGFIELD, IL	DTVBL25686	278.3 km		
	WICS	D15	DT	APP	SPRINGFIELD, IL	WICS-15 OMNI 350K 1710	278.3		
	WYYW-CD	D15	DC	LIC	EVANSVILLE, IN	BLDTA20130109AGB	230.7		
	WXIX-TV	D15	DT	CP	NEWPORT, KY	BLANK0000025169	165.5		
	WOHL-CD	D15	DC	APP	LIMA, OH	BLANK0000029918	202.0		
	WQCW	D15	DT	CP	PORTSMOUTH, OH	BLANK0000025192	375.7		
	WDNI-CD	D16	DC	CP	INDIANAPOLIS, IN	BLANK0000025370	14.5		
	WMYO	D16	DT	CP	SALEM, IN	BLANK0000029887	173.7		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
27338.7		2,817,698		27143.1		2,762,501	-0.23 -0.03		
				2,795,837		26105.5			
Undesired				Total IX	Unique IX, before	Unique IX, after			
WICS D15 DT BL				299.3	8,959	247.4	4,360		
WICS D15 DT APP				235.4	7,570	187.6	3,567		
WYYW-CD D15 DC LIC				4.0	0	4.0	0		
WXIX-TV D15 DT CP				842.1	28,911	722.5	21,834		
WOHL-CD D15 DC APP				20.0	1,803	0.0	0		

WQCW D15 DT CP	51.7	2,545	0.0	0	0.0	0
WDNI-CD D16 DC CP	8.0	215	4.0	65	4.0	65
WMYO D16 DT CP	20.0	529	0.0	0	0.0	0

Interference to BLANK0000024884 CP, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WTTK	D15	DT	CP	KOKOMO, IN	BLANK0000024884	
Undesireds:	WICS	D15	DT	BL	SPRINGFIELD, IL	DTVBL25686	278.3 km
	WICS	D15	DT	APP	SPRINGFIELD, IL	WICS-15 OMNI 350K 1710	278.3
	WYYW-CD	D15	DC	LIC	EVANSVILLE, IN	BLDTA20130109AGB	230.7
	WXIX-TV	D15	DT	CP	NEWPORT, KY	BLANK0000025169	165.5
	WOHL-CD	D15	DC	BL	LIMA, OH	DTVBL68549	199.7
	WQCW	D15	DT	CP	PORTSMOUTH, OH	BLANK0000025192	375.7
	WDNI-CD	D16	DC	CP	INDIANAPOLIS, IN	BLANK0000025370	14.5
	WMYO	D16	DT	CP	SALEM, IN	BLANK0000029887	173.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
27338.7	2,817,698	27143.1	2,795,837	26045.6	2,762,501	26105.5	2,763,294	-0.23 -0.03

Undesired		Total IX	Unique IX, before	Unique IX, after
WICS D15 DT BL	299.3	8,959	247.4	4,360
WICS D15 DT APP	235.4	7,570		187.6 3,567
WYYW-CD D15 DC LIC	4.0	0	4.0	0
WXIX-TV D15 DT CP	842.1	28,911	718.5	21,238
WOHL-CD D15 DC BL	4.0	807	0.0	0
WQCW D15 DT CP	51.7	2,545	0.0	0
WDNI-CD D16 DC CP	8.0	215	4.0	65
WMYO D16 DT CP	20.0	529	0.0	0

Interference to BLCDT20090623ABU LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KPOB-TV	D15	DT	LIC	POPLAR BLUFF, MO	BLCDT20090623ABU	
Undesireds:	WICS	D15	DT	BL	SPRINGFIELD, IL	DTVBL25686	344.8 km
	WICS	D15	DT	APP	SPRINGFIELD, IL	WICS-15 OMNI 350K 1710	344.8
	KMOS-TV	D15	DT	LIC	SEDALIA, MO	BLEDT20030108ABK	293.8
	W50EA-D	D15	DC	CP	MEMPHIS, TN	BLANK0000024496	180.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
12050.9	144,525	11938.8	143,656	11806.8	143,095	11806.8	143,095	0.00 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
WICS D15 DT BL	0.0	0	0.0	0
WICS D15 DT APP	4.0	0		0.0 0
KMOS-TV D15 DT LIC	40.0	52	32.0	30
W50EA-D D15 DC CP	100.0	531	92.0	509

Interference to BLEDT20030108ABK LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KMOS-TV	D15	DT	LIC	SEDALIA, MO	BLEDT20030108ABK	
Undesireds:	WICS	D15	DT	BL	SPRINGFIELD, IL	DTVBL25686	321.2 km
	WICS	D15	DT	APP	SPRINGFIELD, IL	WICS-15 OMNI 350K 1710	321.2
	KHOG-TV	D15	DT	LIC	FAYETTEVILLE, AR	BLCDT20020904AAX	309.4
	KYOU-TV	D15	DT	LIC	OTTUMWA, IA	BLANK0000001581	295.9
	KOZK	D16	DT	CP	SPRINGFIELD, MO	BLANK0000026208	162.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
41407.6	804,745	41184.8	803,129	40906.4	799,546	40862.3	799,434	0.11 0.01

Undesired		Total IX	Unique IX, before	Unique IX, after
WICS D15 DT BL	68.0	281	56.0	220
WICS D15 DT APP	108.1	382		100.1 332
KHOG-TV D15 DT LIC	67.4	272	43.6	196

KYOU-TV D15 DT LIC	23.9	717	11.9	656	15.9	667
KOZK D16 DT CP	154.9	2,450	131.1	2,374	131.1	2,374

Interference to BLANK0000027778 CP, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance			
	WRSP-TV	D16	DT	CP	SPRINGFIELD, IL	BLANK0000027778				
Undesireds:	WICS	D15	DT	BL	SPRINGFIELD, IL	DTVBL25686	1.4 km			
	WICS	D15	DT	APP	SPRINGFIELD, IL	WICS-15 OMNI 350K 1710	1.4			
	WTVO	D16	DT	LIC	ROCKFORD, IL	BLCDT20021024AAS	277.5			
	WMYO	D16	DT	CP	SALEM, IN	BLANK0000029887	349.6			
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX		
29000.6	904,190	28984.5		904,185	28892.2	902,165	28816.3	901,785	0.26	0.04
Undesired				Total IX	Unique IX, before	Unique IX, after				
WICS D15 DT BL				68.4	432	60.3	414			
WICS D15 DT APP				140.2	796	136.2		794		
WTVO D16 DT LIC				28.1	1,604	20.0	1,586	24.0	1,602	
WMYO D16 DT CP				4.0	2	4.0	2	4.0	2	

Interference to proposal, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	WICS	D15	DT	APP	SPRINGFIELD, IL	WICS-15 OMNI 350K 1710			
Undesireds:	KYOU-TV	D15	DT	LIC	OTTUMWA, IA	BLANK0000001581	261.3 km		
	WTTK	D15	DT	CP	KOKOMO, IN	BLANK0000024884	278.3		
	KMOS-TV	D15	DT	LIC	SEDALIA, MO	BLEDT20030108ABK	321.2		
	WRSP-TV	D16	DT	CP	SPRINGFIELD, IL	BLANK0000027778	1.4		
Service area		Terrain-limited		IX-free		Percent IX			
33853.3	1,149,358	33753.9	1,147,264	33609.8	1,144,939	0.43	0.20		
Undesired				Total IX	Unique IX	Prcnt Unique IX			
KYOU-TV D15 DT LIC				96.1	1,104	40.0	1,007	0.12	0.09
WTTK D15 DT CP				16.0	189	16.0	189	0.05	0.02
KMOS-TV D15 DT LIC				72.0	910	16.0	813	0.05	0.07
WRSP-TV D16 DT CP				16.0	219	16.0	219	0.05	0.02