

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: WRSP-16 ICS OMNI 360KW, Model: Longley-Rice
Start: 2017.10.19 12:45:55

Study created: 2017.10.19 12:45:20

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

Proposal: WRSP-TV D16 DT APP SPRINGFIELD, IL
File number: WRSP-16 ICS OMNI 360KW
Facility ID: 62009
Station data: User record
Record ID: 2136
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
WICS	D15	DT	CP	SPRINGFIELD, IL	BLANK0000027418	0.0 km
WTVO	D16	DT	LIC	ROCKFORD, IL	BLCDT20021024AAS	277.1
WMYO	D16	DT	CP	SALEM, IN	BLANK0000029887	351.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D16
Latitude: 39 48 15.00 N (NAD83)
Longitude: 89 27 40.00 W
Height AMSL: 612.0 m
HAAT: 436.0 m
Peak ERP: 360 kW
Antenna: Omnidirectional
Elev Pattern: Generic
Elec Tilt: 0.8

38.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	360 kW	430.7 m	103.4 km
45.0	360	430.8	103.4
90.0	360	432.5	103.6
135.0	360	432.8	103.6
180.0	360	438.2	104.1
225.0	360	441.2	104.3
270.0	360	438.8	104.1
315.0	360	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 BLANK0000027418 CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WICS	D15	DT	CP	SPRINGFIELD, IL	BLANK0000027418	
Undesireds:	WRSP-TV	D16	DT	BL	SPRINGFIELD, IL	DTVBL62009	1.4 km
	WRSP-TV	D16	DT	APP	SPRINGFIELD, IL	WRSP-16 ICS OMNI 360KW	0.0
	KYOU-TV	D15	DT	LIC	OTTUMWA, IA	BLANK0000001581	261.3
	WTTK	D15	DT	CP	KOKOMO, IN	BLANK00000024884	278.3
	KMOS-TV	D15	DT	LIC	SEDALIA, MO	BLEDT20030108ABK	321.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
30641.1	1,036,490	30561.6	1,034,526	30397.5	1,027,090	30441.4 1,027,393	-0.14 -0.03

Undesired	Total IX	Unique IX, before	Unique IX, after
WRSP-TV D16 DT BL	43.9	303	43.9
WRSP-TV D16 DT APP	0.0	0	0.0
KYOU-TV D15 DT LIC	84.1	6,146	40.1
WTTK D15 DT CP	16.0	227	12.0
KMOS-TV D15 DT LIC	64.1	887	24.1

Interference to BLCDT20021024AAS LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WTVO	D16	DT	LIC	ROCKFORD, IL	BLCDT20021024AAS	
Undesireds:	WRSP-TV	D16	DT	BL	SPRINGFIELD, IL	DTVBL62009	277.5 km
	WRSP-TV	D16	DT	APP	SPRINGFIELD, IL	WRSP-16 ICS OMNI 360KW	277.1
	KDSM-TV	D16	DT	LIC	DES MOINES, IA	BLCDT20110609ABE	370.2
	KWQC-TV	D17	DT	CP	DAVENPORT, IA	BLANK00000025569	135.8
	WBME-CD	D17	DC	CP	MILWAUKEE, WI	BLANK00000028177	136.6
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
18475.0	1,409,708	18335.0	1,398,825	18178.2	1,397,447	18089.8 1,392,158	0.49 0.38

Undesired	Total IX	Unique IX, before	Unique IX, after
WRSP-TV D16 DT BL	104.6	552	100.6
WRSP-TV D16 DT APP	209.1	5,887	189.1
KDSM-TV D16 DT LIC	4.0	17	0.0
KWQC-TV D17 DT CP	24.1	142	24.1
WBME-CD D17 DC CP	28.1	684	28.1

Interference to BLANK0000029887 CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WMYO	D16	DT	CP	SALEM, IN	BLANK0000029887	
Undesireds:	WRSP-TV	D16	DT	BL	SPRINGFIELD, IL	DTVBL62009	349.7 km
	WRSP-TV	D16	DT	APP	SPRINGFIELD, IL	WRSP-16 ICS OMNI 360KW	351.0
	WYYW-CD	D15	DC	LIC	EVANSVILLE, IN	BLDTA20130109AGB	130.5
	WLCU-CD	D15	DC	CP	CAMPBELLSVILLE, KY	BLANK00000028622	119.8
	WXIX-TV	D15	DT	CP	NEWPORT, KY	BLANK00000025169	141.7
	WDNI-CD	D16	DC	CP	INDIANAPOLIS, IN	BLANK00000025370	162.4
	WOSU-TV	D16	DT	CP	COLUMBUS, OH	BLANK00000026429	322.2
	WHTN	D16	DT	CP	MURFREESBORO, TN	BLANK00000025312	257.2
	WKOH	D17	DT	CP	OWENSBORO, KY	BLANK00000025311	140.8
	WCET	D17	DT	CP	CINCINNATI, OH	BLANK00000026835	143.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
36008.0	2,060,166	35385.1	2,046,844	34548.8	2,021,711	34536.9 2,021,504	0.03 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
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WRSP-TV D16 DT BL	48.0	664	36.1	493		
WRSP-TV D16 DT APP	64.0	990			48.0	700
WYYW-CD D15 DC LIC	225.4	10,031	213.5	9,863	213.5	9,863
WLCU-CD D15 DC CP	115.6	1,466	79.7	1,122	79.7	1,122
WXIX-TV D15 DT CP	100.0	1,738	8.0	239	8.0	239
WDNI-CD D16 DC CP	123.5	4,843	107.6	4,793	103.6	4,674
WOSU-TV D16 DT CP	120.1	2,571	76.1	1,934	76.1	1,934
WHTN D16 DT CP	111.5	1,333	67.7	960	67.7	960
WKOI D17 DT CP	4.0	43	0.0	0	0.0	0
WCET D17 DT CP	175.9	4,974	87.9	3,616	87.9	3,616

Interference to proposal, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WRSP-TV	D16	DT	APP	SPRINGFIELD, IL	WRSP-16 ICS OMNI 360KW	
Undesireds:	WTVO	D16	DT	LIC	ROCKFORD, IL	BLCDT20021024AAS	277.1 km
	WMYO	D16	DT	CP	SALEM, IN	BLANK0000029887	351.0
Service area		Terrain-limited		IX-free		Percent IX	
33905.4	1,156,134	33802.1	1,154,040	33770.1	1,153,039	0.09	0.09
Undesired		Total IX		Unique IX		Prcnt Unique IX	
WTVO D16 DT LIC		28.0	1,001	28.0	1,001	0.08	0.09
WMYO D16 DT CP		4.0	0	4.0	0	0.01	0.00