

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 is within 320 kilometers of the common border between the United States of America and Canada. As demonstrated in the attached study, the maximized technical facility proposed herein satisfies DTV interference criteria with respect to all relevant Canadian allotments, applications and assignments. International notification and coordination of the instant proposal is respectfully requested.

tvstudy v2.2.3 (Dxtpx3)
Database: localhost, Study: WSTM-19 OMNI 210K 171005, Model: Longley-Rice
Start: 2017.10.05 15:27:26

Study created: 2017.10.05 15:26:59

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

Proposal: WSTM-TV D19 DT APP SYRACUSE, NY
File number: WSTM-19 OMNI 210K 171005
Facility ID: 21252
Station data: User record
Record ID: 1860
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
WTVH	D18	DT	CP	SYRACUSE, NY	BLANK0000028195	1.4 km
WYPX-TV	D19	DT	CP	AMSTERDAM, NY	BLANK0000026966	157.6
WCNY-TV	D20	DT	CP	SYRACUSE, NY	BLANK0000028027	0.0
CKWS-TV-3	D19	DT	LIC	SMITHS FALLS, ON	BLANKCANADA221	229.8
CICA-DT	D19	DT	LIC	TORONTO, ON	BLANKCANADA233	275.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D19
Latitude: 42 56 41.80 N (NAD83)
Longitude: 76 7 6.20 W
Height AMSL: 706.9 m
HAAT: 410.0 m
Peak ERP: 210 kW
Antenna: Omnidirectional
Elev Pattnr: Generic
Elec Tilt: 0.8

39.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	210 kW	520.4 m	105.1 km
45.0	210	507.9	104.1
90.0	210	356.7	92.6
135.0	210	299.5	86.3
180.0	210	307.4	87.3
225.0	210	356.3	92.6
270.0	210	456.5	99.7
315.0	210	472.6	101.1

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

**Proposal is within coordination distance of Canadian border
Distance to Canadian border: 94.0 km

Distance to Mexican border: 2667.6 km

Conditions at FCC monitoring station: Canandaigua NY
Bearing: 268.2 degrees Distance: 93.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 272.6 degrees Distance: 2428.7 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 BLANK0000028195 CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WTVH	D18	DT	CP	SYRACUSE, NY	BLANK0000028195	
Undesireds:	WSTM-TV	D19	DT	BL	SYRACUSE, NY	DTVBL21252	1.4 km
	WSTM-TV	D19	DT	APP	SYRACUSE, NY	WSTM-19 OMNI 210K 1710	1.4
	WSYR-TV	D17	DT	LIC	SYRACUSE, NY	BLCDT20030812ABK	7.0
	WMBC-TV	D18	DD	LIC	NEWTON, NJ	BLCDT20101130AAX	280.9
	WWNY-CD	D18	DC	LIC	MASSENA, NY	BLDTL20101118ALZ	198.1
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
24170.4	1,349,791	22954.6	1,292,307	22474.7	1,284,142	22386.8	0.39
36.1	0	36.1	0	36.1	0	36.1	0.11
(in Canada)						0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
WSTM-TV D19 DT BL	243.5	3,346	223.6	3,280		
WSTM-TV D19 DT APP	339.4	4,918			311.5	4,720
WSYR-TV D17 DT LIC	71.7	3,235	51.8	3,169	47.9	3,167
WMBC-TV D18 DD LIC	88.0	1,383	88.0	1,383	84.1	1,253
WWNY-CD D18 DC LIC	96.5	267	96.5	267	96.5	267

 Interference to BLANK0000026966 CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	WYPX-TV	D19	DT	CP	AMSTERDAM, NY	BLANK0000026966			
Undesireds:	WSTM-TV	D19	DT	BL	SYRACUSE, NY	DTVBL21252	157.6 km		
	WSTM-TV	D19	DT	APP	SYRACUSE, NY	WSTM-19 OMNI 210K 1710	157.6		
	WUNI	D19	DT	CP	WORCESTER, MA	BLANK0000028427	214.1		
	CBFT-DT	D19	DT	LIC	MONTRAL, QC	BLANKCANADA275	284.1		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
16804.0	1,161,578	14394.5	1,069,200	13433.7	1,053,201	13365.8	1,052,520	0.51	0.06
Undesired				Total IX	Unique IX, before		Unique IX, after		
WSTM-TV	D19	DT	BL	721.3	9,742	617.8	7,750		
WSTM-TV	D19	DT	APP	793.2	10,545			685.7	8,431
WUNI	D19	DT	CP	335.1	7,177	235.6	6,200	231.6	6,078
CBFT-DT	D19	DT	LIC	15.9	1,084	4.0	57	4.0	57

 Interference to BLANK0000028027 CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	WCNY-TV	D20	DT	CP	SYRACUSE, NY	BLANK0000028027			
Undesireds:	WSTM-TV	D19	DT	BL	SYRACUSE, NY	DTVBL21252	0.0 km		
	WSTM-TV	D19	DT	APP	SYRACUSE, NY	WSTM-19 OMNI 210K 1710	0.0		
	WBGH-CD	D20z	DC	LIC	BINGHAMTON, NY	BLANK0000004524	99.3		
	WCAX-TV	D20	DT	CP	BURLINGTON, VT	BLANK0000024928	318.1		
	WROC-TV	D21	DT	CP	ROCHESTER, NY	BLANK0000027721	120.9		
	CJMT-DT-2	D20	DT	LIC	OTTAWA, ON	BLANKCANADA200	256.4		
	CBLT-DT	D20	DT	LIC	TORONTO, ON	BLANKCANADA234	275.6		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
23968.4	1,355,695	22593.1	1,293,909	22077.4	1,282,523	22069.4	1,282,482	0.04	0.00
Undesired				Total IX	Unique IX, before	Unique IX, after			

WSTM-TV D19 DT BL	4.0	1	4.0	1		
WSTM-TV D19 DT APP	11.9	42			11.9	42
WBGH-CD D20z DC LIC	344.2	5,130	344.2	5,130	344.2	5,130
WCAX-TV D20 DT CP	111.7	4,686	107.7	4,583	107.7	4,583
WROC-TV D21 DT CP	35.8	1,294	35.8	1,294	35.8	1,294
CJMT-DT-2 D20 DT LIC	4.0	103	0.0	0	0.0	0
CBLT-DT D20 DT LIC	20.1	275	20.1	275	20.1	275

Interference to BLANKCANADA221 LIC, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	CKWS-TV-3	D19	DT	LIC	SMITHS FALLS, ON	BLANKCANADA221	
Undesireds:	WSTM-TV	D19	DT	BL	SYRACUSE, NY	DTVBL21252	229.8 km
	WSTM-TV	D19	DT	APP	SYRACUSE, NY	WSTM-19 OMNI 210K 1710	229.8
	CBFT-DT	D19	DT	LIC	MONTRAL, QC	BLANKCANADA275	200.4
	CJMT-DT-2	D20	DT	LIC	OTTAWA, ON	BLANKCANADA200	44.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
3891.8	185,514	3891.8	185,514	3815.4	177,947	3803.4 177,947	0.32 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
WSTM-TV D19 DT BL	36.0	7,567	12.0	6,798
WSTM-TV D19 DT APP	48.1	7,567		24.1 6,798
CBFT-DT D19 DT LIC	60.3	769	36.3	0 36.3 0
CJMT-DT-2 D20 DT LIC	4.0	0	4.0	0 4.0 0

Interference to BLANKCANADA233 LIC, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	CICA-DT	D19	DT	LIC	TORONTO, ON	BLANKCANADA233	
Undesireds:	WSTM-TV	D19	DT	BL	SYRACUSE, NY	DTVBL21252	275.6 km
	WSTM-TV	D19	DT	APP	SYRACUSE, NY	WSTM-19 OMNI 210K 1710	275.6
	WKYC	D19	DT	CP	CLEVELAND, OH	BLANK0000028024	313.8
	CJMT-DT-1	D19	DT	LIC	LONDON, ON	BLANKCANADA187	176.5
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
4412.2	757,709	4412.2	757,709	4412.2	757,709	4412.2 757,709	0.00 0.00
(in U.S.)							
23766.4	8,123,967	23598.8	8,112,758	23391.5	8,093,445	23391.5 8,093,445	0.00 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
WSTM-TV D19 DT BL	72.2	5,943	68.2	5,943
WSTM-TV D19 DT APP	72.2	5,943		68.2 5,943
WKYC D19 DT CP	8.0	262	4.0	262 4.0 262
CJMT-DT-1 D19 DT LIC	135.2	13,108	127.2	13,108 127.2 13,108

Interference to proposal, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WSTM-TV	D19	DT	APP	SYRACUSE, NY	WSTM-19 OMNI 210K 1710	
Undesireds:	WVNY-CD	D18	DC	LIC	MASSENA, NY	BLDTL20101118ALZ	199.5 km
	WTVH	D18	DT	CP	SYRACUSE, NY	BLANK0000028195	1.4
	WYPX-TV	D19	DT	CP	AMSTERDAM, NY	BLANK0000026966	157.6
	CKWS-TV-3	D19	DT	LIC	SMITHS FALLS, ON	BLANKCANADA221	229.8
	CICA-DT	D19	DT	LIC	TORONTO, ON	BLANKCANADA233	275.6
	CBFT-DT	D19	DT	LIC	MONTRAL, QC	BLANKCANADA275	348.5
Service area		Terrain-limited		IX-free		Percent IX	
29056.5	1,505,289	27381.2	1,421,210	27057.5	1,415,282	1.18 0.42	
116.5	0	116.5	0	116.5	0	0.00 0.00	(in Canada)

Undesired		Total IX	Unique IX	Prcnt Unique IX
WVNY-CD D18 DC LIC	4.0	4	0.0	0 0.00 0.00
WTVH D18 DT CP	35.8	417	35.8	417 0.13 0.03
WYPX-TV D19 DT CP	207.7	4,330	179.7	3,948 0.66 0.28

CKWS-TV-3 D19 DT LIC	28.2	67	8.1	17	0.03	0.00
CICA-DT D19 DT LIC	36.0	1,237	32.0	1,077	0.12	0.08
CBFT-DT D19 DT LIC	64.2	309	28.0	59	0.10	0.00