

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 initial 90-day 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: WGXA-26 OMNI 540K 171006, Model: Longley-Rice
Start: 2017.10.06 11:22:00

Study created: 2017.10.06 11:21:14

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

Proposal: WGXA D26 DT APP MACON, GA
File number: WGXA-26 OMNI 540K 171006
Facility ID: 58262
Station data: User record
Record ID: 1873
Country: U.S.
Zone: II

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

Call	Chan	Svc	Status	City, State	File Number	Distance
WATL	D25	DT	LIC	ATLANTA, GA	BLCDT20020716AAH	138.1 km
WTJP-TV	D26	DT	LIC	GADSDEN, AL	BLCDT20110304ACB	293.4
WYBU-CD	D26	DC	CP	COLUMBUS, GA	BLANK0000025321	143.6
WNEH	D26	DT	CP	GREENWOOD, SC	BLANK0000025027	221.7
WTGS	D26	DT	CP	HARDEEVILLE, SC	BLANK0000027450	222.4
WATE-TV	D26	DT	LIC	KNOXVILLE, TN	BMLCDT20041203AEG	363.4
WAGA-TV	D27	DT	LIC	ATLANTA, GA	BLCDT20060728AEL	136.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D26
Latitude: 32 44 58.40 N (NAD83)
Longitude: 83 33 34.50 W
Height AMSL: 356.3 m
HAAT: 243.0 m
Peak ERP: 540 kW
Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 0.8

40.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	540 kW	232.9 m	83.7 km
45.0	540	222.1	82.7
90.0	540	220.4	82.6
135.0	540	239.5	84.3
180.0	540	278.3	90.1
225.0	540	259.4	86.9
270.0	540	247.5	85.2
315.0	540	245.2	85.0

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

Distance to Canadian border: 995.3 km

Distance to Mexican border: 1495.8 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 319.2 degrees Distance: 164.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 299.2 degrees Distance: 2096.4 km

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 BLCDDT20020716AAH LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WATL	D25	DT	LIC	ATLANTA, GA	BLCDDT20020716AAH	
Undesireds:	WGXA	D26	DT	BL	MACON, GA	DTVBL58262	138.1 km
	WGXA	D26	DT	APP	MACON, GA	WGXA-26 OMNI 540K 1710	138.1
	WGTA	D24	DT	LIC	TOCCOA, GA	BLANK0000001315	126.0
	WAKA	D25	DT	CP	SELMA, AL	BLANK00000027064	292.7
	WJZY	D25	DT	CP	BELMONT, NC	BLANK00000027835	338.8
	WYHB-CD	D25	DC	CP	CHATTANOOGA, TN	BLANK00000024558	177.9
	WJFB	D25	DT	APP	LEBANON, TN	BLANK00000029785	320.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
28965.5	5,882,837	27903.1	5,819,099	26952.4	5,777,890	26920.4 5,777,428	0.12 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WGXA D26 DT BL	103.9 1,956	99.9 1,956	
WGXA D26 DT APP	143.9 4,058		131.9 2,418
WGTA D24 DT LIC	99.9 5,822	75.9 4,629	75.9 4,629
WAKA D25 DT CP	300.2 13,499	268.2 8,767	260.2 7,127
WJZY D25 DT CP	68.0 2,720	44.0 1,527	44.0 1,527
WYHB-CD D25 DC CP	410.7 19,813	295.1 8,855	295.1 8,855
WJFB D25 DT APP	127.6 11,806	16.0 2,048	16.0 2,048

Interference to BLCDDT20020716AAH LIC, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WATL	D25	DT	LIC	ATLANTA, GA	BLCDDT20020716AAH	
Undesireds:	WGXA	D26	DT	BL	MACON, GA	DTVBL58262	138.1 km
	WGXA	D26	DT	APP	MACON, GA	WGXA-26 OMNI 540K 1710	138.1
	WGTA	D24	DT	LIC	TOCCOA, GA	BLANK0000001315	126.0
	WAKA	D25	DT	CP	SELMA, AL	BLANK00000027064	292.7
	WJZY	D25	DT	CP	BELMONT, NC	BLANK00000027835	338.8
	WYHB-CD	D25	DC	CP	CHATTANOOGA, TN	BLANK00000024558	177.9
	WJFB	D25	DT	BL	LEBANON, TN	DTVBL7651	320.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
28965.5	5,882,837	27903.1	5,819,099	26952.4	5,777,890	26920.4 5,777,428	0.12 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WGXA D26 DT BL	103.9 1,956	99.9 1,956	
WGXA D26 DT APP	143.9 4,058		131.9 2,418
WGTA D24 DT LIC	99.9 5,822	75.9 4,629	75.9 4,629
WAKA D25 DT CP	300.2 13,499	268.2 8,767	260.2 7,127
WJZY D25 DT CP	68.0 2,720	44.0 1,527	44.0 1,527
WYHB-CD D25 DC CP	410.7 19,813	303.1 9,003	303.1 9,003
WJFB D25 DT BL	119.6 11,658	16.0 2,048	16.0 2,048

Interference to BLCDDT20110304ACB LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WTJP-TV	D26	DT	LIC	GADSDEN, AL	BLCDDT20110304ACB	
Undesireds:	WGXA	D26	DT	BL	MACON, GA	DTVBL58262	293.4 km
	WGXA	D26	DT	APP	MACON, GA	WGXA-26 OMNI 540K 1710	293.4
	WAKA	D25	DT	CP	SELMA, AL	BLANK00000027064	187.6
	WYBU-CD	D26	DC	CP	COLUMBUS, GA	BLANK00000025321	198.1
	WBUY-TV	D26	DT	CP	HOLLY SPRINGS, MS	BLANK00000026691	345.3

WATE-TV	D26	DT	LIC	KNOXVILLE, TN	BMLCDT20041203AEG	333.7
WAIQ	D27	DT	LIC	MONTGOMERY, AL	BLEDT20060706ACK	159.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
33000.2	1,947,743	31429.8	1,907,300	30789.7	1,896,020	30717.6	1,893,123	0.23 0.15

Undesired		Total IX		Unique IX, before		Unique IX, after
WGXA D26 DT BL	424.1	7,397	208.1	2,746		
WGXA D26 DT APP	516.2	10,677			280.2	5,643
WAKA D25 DT CP	28.0	1,468	20.0	974	20.0	974
WYBU-CD D26 DC CP	267.7	5,503	107.9	1,331	87.9	948
WBUY-TV D26 DT CP	11.9	103	11.9	103	11.9	103
WATE-TV D26 DT LIC	112.3	1,436	52.1	600	52.1	600
WAIQ D27 DT LIC	20.0	518	16.0	381	16.0	381

Interference to BLANK0000025321 CP, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WYBU-CD	D26	DC	CP	COLUMBUS, GA	BLANK0000025321	
Undesireds:	WGXA	D26	DT	BL	MACON, GA	DTVBL58262	143.6 km
	WGXA	D26	DT	APP	MACON, GA	WGXA-26 OMNI 540K 1710	143.6
	WTJP-TV	D26	DT	LIC	GADSDEN, AL	BLCDT20110304ACB	198.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
6807.5	445,995	6767.3	445,845	6590.0	444,143	6477.2	442,644	1.71 0.34

Undesired		Total IX		Unique IX, before		Unique IX, after
WGXA D26 DT BL	72.5	1,050	44.3	691		
WGXA D26 DT APP	197.4	2,632			157.1	2,190
WTJP-TV D26 DT LIC	133.0	1,011	104.8	652	92.7	569

Interference to BLANK0000025027 CP, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WNEH	D26	DT	CP	GREENWOOD, SC	BLANK0000025027	
Undesireds:	WGXA	D26	DT	BL	MACON, GA	DTVBL58262	221.7 km
	WGXA	D26	DT	APP	MACON, GA	WGXA-26 OMNI 540K 1710	221.7
	WJZY	D25	DT	CP	BELMONT, NC	BLANK0000027835	143.7
	WGPX-TV	D26	DT	CP	BURLINGTON, NC	BLANK0000027010	308.9
	WWMB	D26	DT	CP	FLORENCE, SC	BLANK0000027772	260.3
	WTGS	D26	DT	CP	HARDEEVILLE, SC	BLANK0000027450	269.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
18297.7	1,261,482	18190.3	1,255,218	17850.7	1,241,831	17914.8	1,242,647	-0.36 -0.07

Undesired		Total IX		Unique IX, before		Unique IX, after
WGXA D26 DT BL	244.0	8,932	144.0	4,428		
WGXA D26 DT APP	159.8	7,868			79.9	3,612
WJZY D25 DT CP	55.6	1,914	43.7	732	43.7	732
WGPX-TV D26 DT CP	4.0	0	0.0	0	0.0	0
WWMB D26 DT CP	63.6	7,108	23.9	3,485	31.8	3,718
WTGS D26 DT CP	84.4	849	24.1	197	36.2	212

Interference to BLANK0000027450 CP, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTGS	D26	DT	CP	HARDEEVILLE, SC	BLANK0000027450	
Undesireds:	WGXA	D26	DT	BL	MACON, GA	DTVBL58262	222.4 km
	WGXA	D26	DT	APP	MACON, GA	WGXA-26 OMNI 540K 1710	222.4
	WNEH	D26	DT	CP	GREENWOOD, SC	BLANK0000025027	269.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
34511.4	967,792	34507.3	967,630	33976.6	963,751	33915.8	962,119	0.18 0.17

Undesired		Total IX		Unique IX, before		Unique IX, after
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WGXA D26 DT BL	514.7	3,073	470.6	2,838		
WGXA D26 DT APP	575.4	4,705			531.3	4,470
WNEH D26 DT CP	60.2	1,041	16.1	806	16.1	806

Interference to BMLCDT20041203AEG LIC, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WATE-TV	D26	DT	LIC	KNOXVILLE, TN	BMLCDT20041203AEG	
Undesireds:	WGXA	D26	DT	BL	MACON, GA	DTVBL58262	363.4 km
	WGXA	D26	DT	APP	MACON, GA	WGXA-26 OMNI 540K 1710	363.4
	WYHB-CD	D25	DC	CP	CHATTANOOGA, TN	BLANK0000024558	149.9
	WTJP-TV	D26	DT	LIC	GADSDEN, AL	BLCDDT20110304ACB	333.7
	WFIE	D26	DT	CP	EVANSVILLE, IN	BLANK0000025161	380.4
	WCPO-TV	D26	DT	CP	CINCINNATI, OH	BLANK0000026815	350.4
	WNEH	D26	DT	CP	GREENWOOD, SC	BLANK0000025027	242.6
	WUNW	D27	DT	LIC	CANTON, NC	BLEDT20110921AAA	105.1
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
43825.1 1,874,433		35320.1 1,638,059		34334.4 1,614,938		34334.4 1,614,938	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WGXA D26 DT BL	44.1 285	24.1 83	
WGXA D26 DT APP	44.1 285	24.1 83	
WYHB-CD D25 DC CP	193.1 7,241	145.0 5,958	145.0 5,958
WTJP-TV D26 DT LIC	284.9 7,625	225.0 6,070	225.0 6,070
WFIE D26 DT CP	23.9 647	8.0 48	8.0 48
WCPO-TV D26 DT CP	435.1 9,125	419.2 8,526	419.2 8,526
WNEH D26 DT CP	56.2 224	40.2 154	40.2 154
WUNW D27 DT LIC	36.3 128	36.3 128	36.3 128

Interference to BLCDDT20060728AEL LIC, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WAGA-TV	D27	DT	LIC	ATLANTA, GA	BLCDDT20060728AEL	
Undesireds:	WGXA	D26	DT	BL	MACON, GA	DTVBL58262	136.9 km
	WGXA	D26	DT	APP	MACON, GA	WGXA-26 OMNI 540K 1710	136.9
	WAIQ	D27	DT	LIC	MONTGOMERY, AL	BLEDT20060706ACK	240.9
	WTXL-TV	D27	DT	LIC	TALLAHASSEE, FL	BLCDDT20090217ABY	349.5
	WKRN-TV	D27	DT	LIC	NASHVILLE, TN	BLCDDT20090624ABO	338.0
	WELF-TV	D28	DT	CP	DALTON, GA	BLANK0000026361	151.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
32733.7 6,000,355		31296.3 5,923,191		30376.8 5,888,067		30352.8 5,887,957	0.08 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WGXA D26 DT BL	72.0 996	60.0 907	
WGXA D26 DT APP	108.0 2,493	84.0 1,017	
WAIQ D27 DT LIC	568.2 26,154	412.2 13,221	412.2 13,221
WTXL-TV D27 DT LIC	148.1 12,123	48.0 1,491	40.0 1,443
WKRN-TV D27 DT LIC	191.5 5,946	103.7 3,149	103.7 3,149
WELF-TV D28 DT CP	135.5 3,568	107.6 2,927	107.6 2,927

Interference to proposal, scenario 1
1.02% interference

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WGXA	D26	DT	APP	MACON, GA	WGXA-26 OMNI 540K 1710	
Undesireds:	WATL	D25	DT	LIC	ATLANTA, GA	BLCDDT20020716AAH	138.1 km
	WTJP-TV	D26	DT	LIC	GADSDEN, AL	BLCDDT20110304ACB	293.4
	WYBU-CD	D26	DC	CP	COLUMBUS, GA	BLANK0000025321	143.6
	WNEH	D26	DT	CP	GREENWOOD, SC	BLANK0000025027	221.7
	WTGS	D26	DT	CP	HARDEEVILLE, SC	BLANK0000027450	222.4
	WAGA-TV	D27	DT	LIC	ATLANTA, GA	BLCDDT20060728AEL	136.9

Service area	Terrain-limited	IX-free	Percent IX
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22750.1	779,955	22678.0	779,087	22276.9	771,144	1.77	1.02
Undesired			Total IX		Unique IX	Prcnt Unique IX	
WATL D25 DT LIC	8.0		207	0.0	0	0.00	0.00
WTJP-TV D26 DT LIC	60.1		1,800	36.0	1,413	0.16	0.18
WYBU-CD D26 DC CP	60.3		347	40.2	300	0.18	0.04
WNEH D26 DT CP	44.0		583	4.0	0	0.02	0.00
WTGS D26 DT CP	261.1		2,161	205.1	1,367	0.90	0.18
WAGA-TV D27 DT LIC	51.8		4,069	43.8	3,862	0.19	0.50